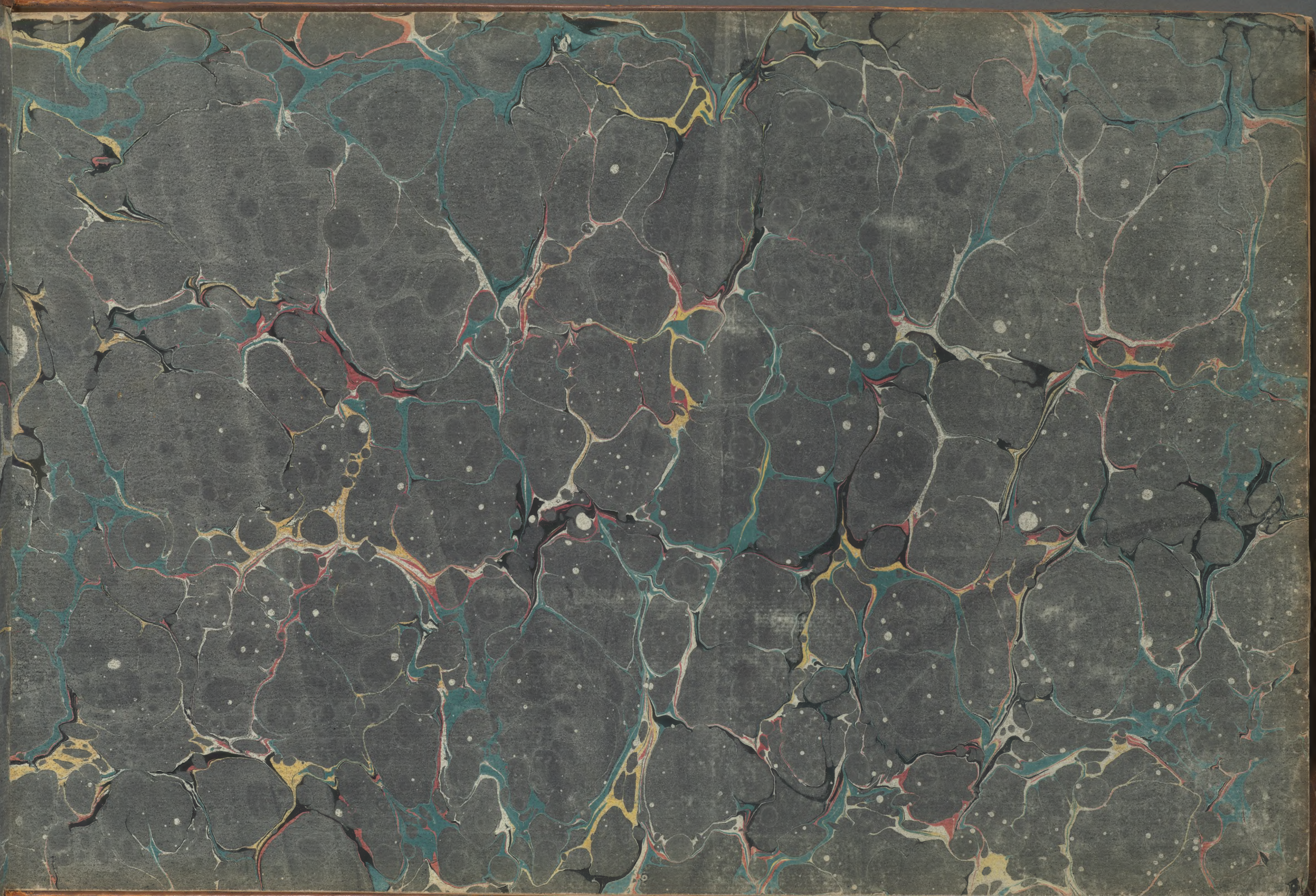



47.77.1
Tr. to Zool. Museum Oct 15, 1888
SIGILL: COLL: HARVARD: CANTAB: NOV: ANGL: 1650
CHRISTO ET ECCLESIAE
BOUGHT WITH
THE GIFT OF
WILLIAM GRAY,
OF BOSTON, MASS.
(Class of 1829).
Nov. 15, 1861.



KUPFER
ZU Dr. BLOCH'S OECONOMISCHE NATURGESCHICHTE
DER FISCHE DEUTSCHLANDES.

J. C. W. Rosenberg del.   D. Berger Sculp. 1784.

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PAGE

I. Taf.

Natürliche Grösse.

CYPRINUS ERITHROPHTHALMUS.

Die Plötze.

The Rud.

Krüger jun: del.

C. L. Schmidt sc.

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Natürliche Grösse.

CYPRINUS RUTILUS.
Das Rothauge.
La Rosse.
The Roach.

Krüger. jun: del:

J. G. Schmidt. sc.

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PAGE


III Taf.
Natürliche Grösse.
CYPRINUS NASUS.
Die Nase.
Krüger jun: del.
F. G. Schmidt sc.

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IV Taf.
Natürliche Grösse.
CYPRINUS VIMBA.
Die Zärthe.
Krüger. jun. del.
J. G. Schmidt. sc.

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V Taf.
Natürliche Grösse.
Cyprinus Dobula.
Der Döbel.
Krüger. jun del.

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PAGE


VI Taf.
Verkleinert.
Cyprinus Jeses.
Der Aland od: Göse.
Le Vilain. Ou le Meunier.
The Chub.

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Verkleinert.
Cyprinus Aspius.
Der Raapfe.
Schmidt.

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PAGE


Fig. 1.
Cyprinus bipunctatus.
Die Aland=Blecke.
Fig. 2.
Cypr: Gobio.
Der Gründling.
Le Goujon.
The Gudgeon.
Fig. 3.
Cypr: Amarus.
Der Bitterling.
Fig. 4.
Cypr: Alburnus.
Der Üxeley.
La Weblette.
The Bleak.
Fig. 5.
Cypr: Phoxinus.
Die Elritze.
Le Veron.
The Minow.
Fig. 1.
Fig. 2.
Fig. 3.
Fig. 4.
Fig. 5.
Natürliche Grössen.
Krüger jun: del.
J. G. Schmidt sc.

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PAGE

Natürliche Grösse.

CYPRINUS BALLERUS.

Die Zope.

Kruger jun. del. J. F. Schmidt f.

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X Taf.
Natürliche Grösse
CYPRINUS BLICCA
Die Güster
La Bordeliere
Krüger jun: del.
J.G. Schmidt sc.

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Natürliche Grösse.

CYPRINUS CARASSIUS.

Die Karausche.

Le Carassin.

The Crucian.

Kruger. jun: Del. J. G. Schmidt. sc.

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XIII Taf.
Verkleinert.
Cyprinus Brama.
Der Bley od. Brassem.
La Breme.
The Bream.
Krüger jun. del.
J. G. Schmidt sc.

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Cyprinus Tinca auratus

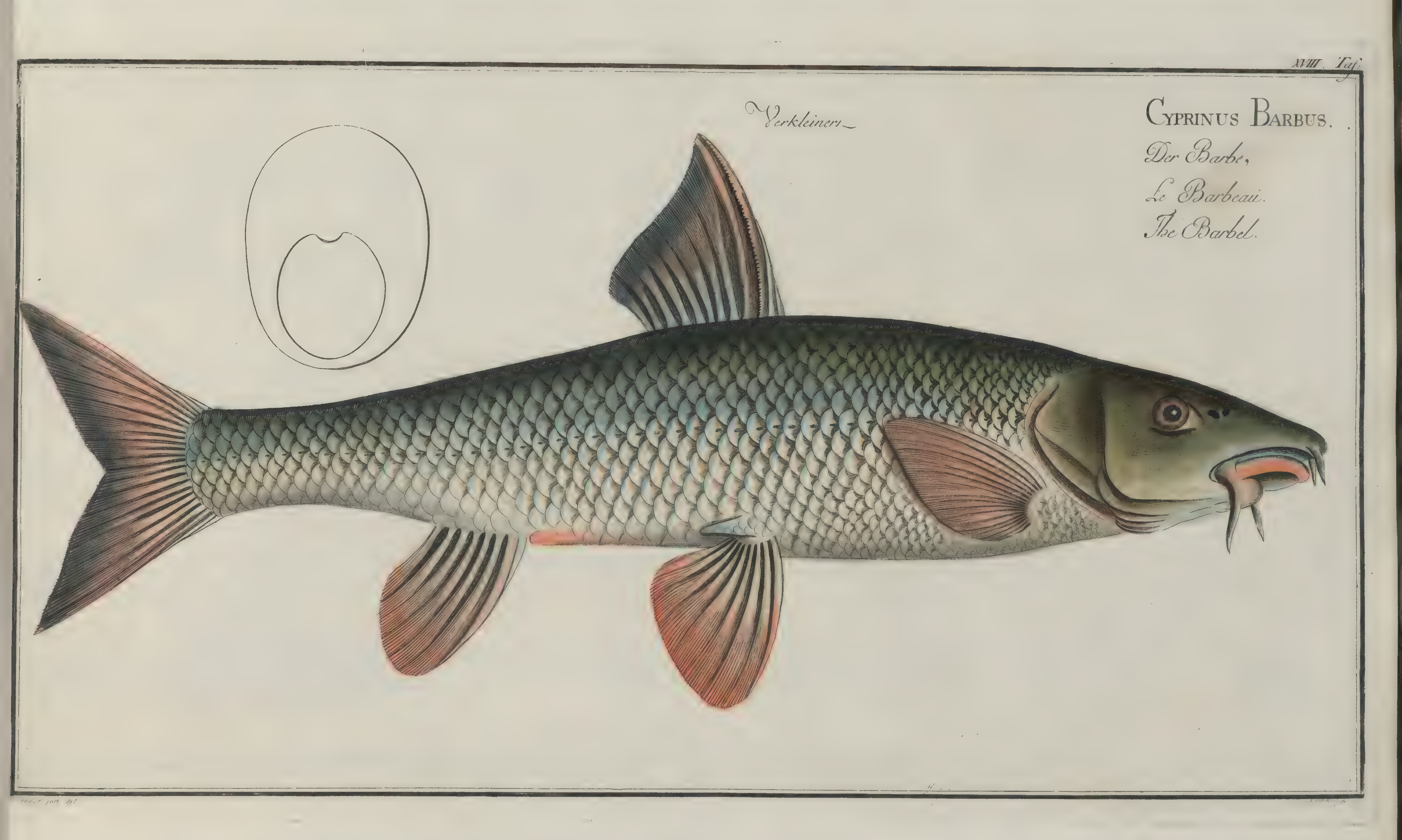
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XVI Taf.
Verkleinert
Cyprinus Carpio.
Der Karpfen.
Le Carp.
The Carp.

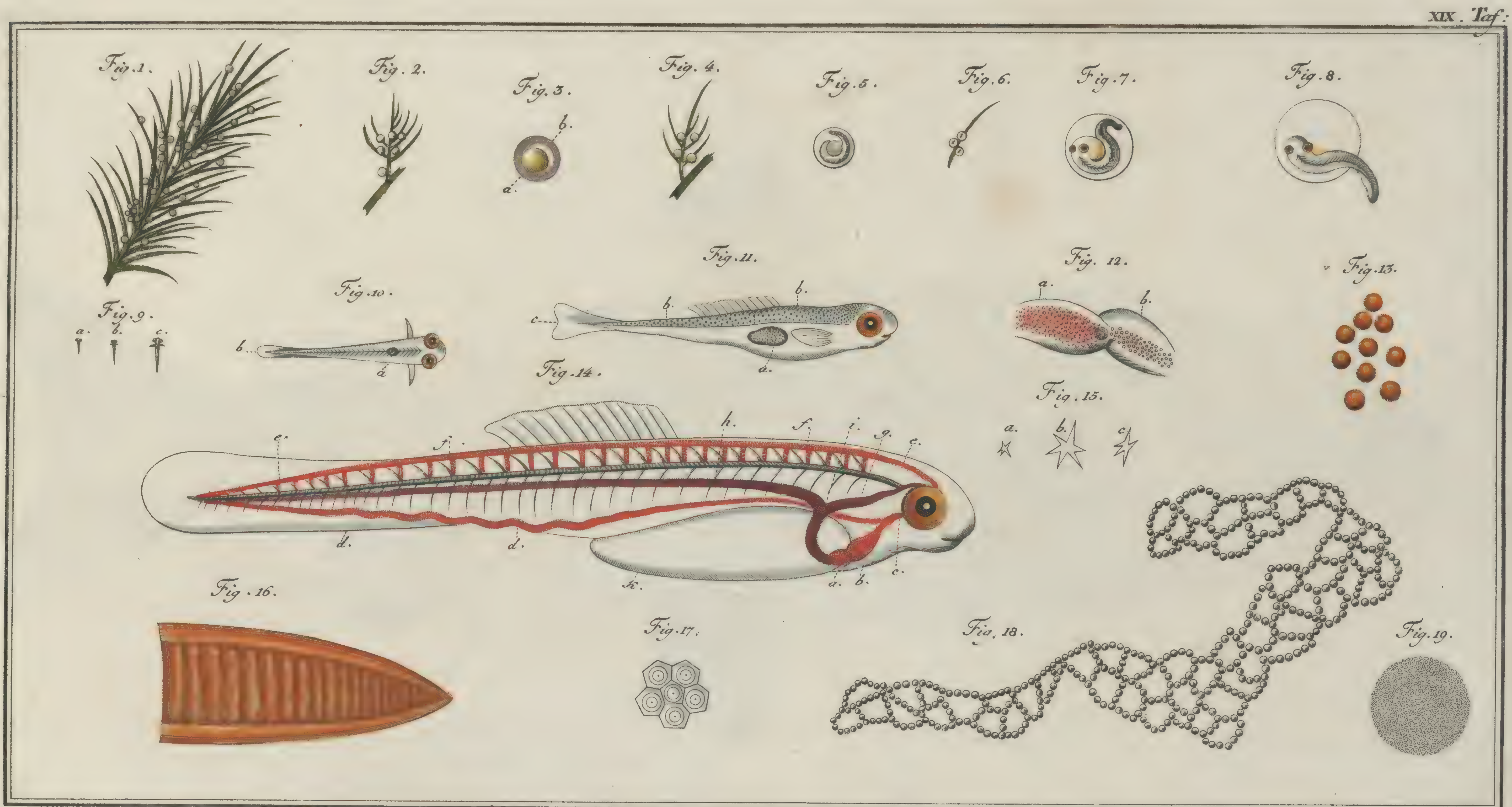
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XVII. Taf.
Verkleinert
REX CYPRINORUM.
Der Spiegelkarpfen.
Krüger. jun. del.

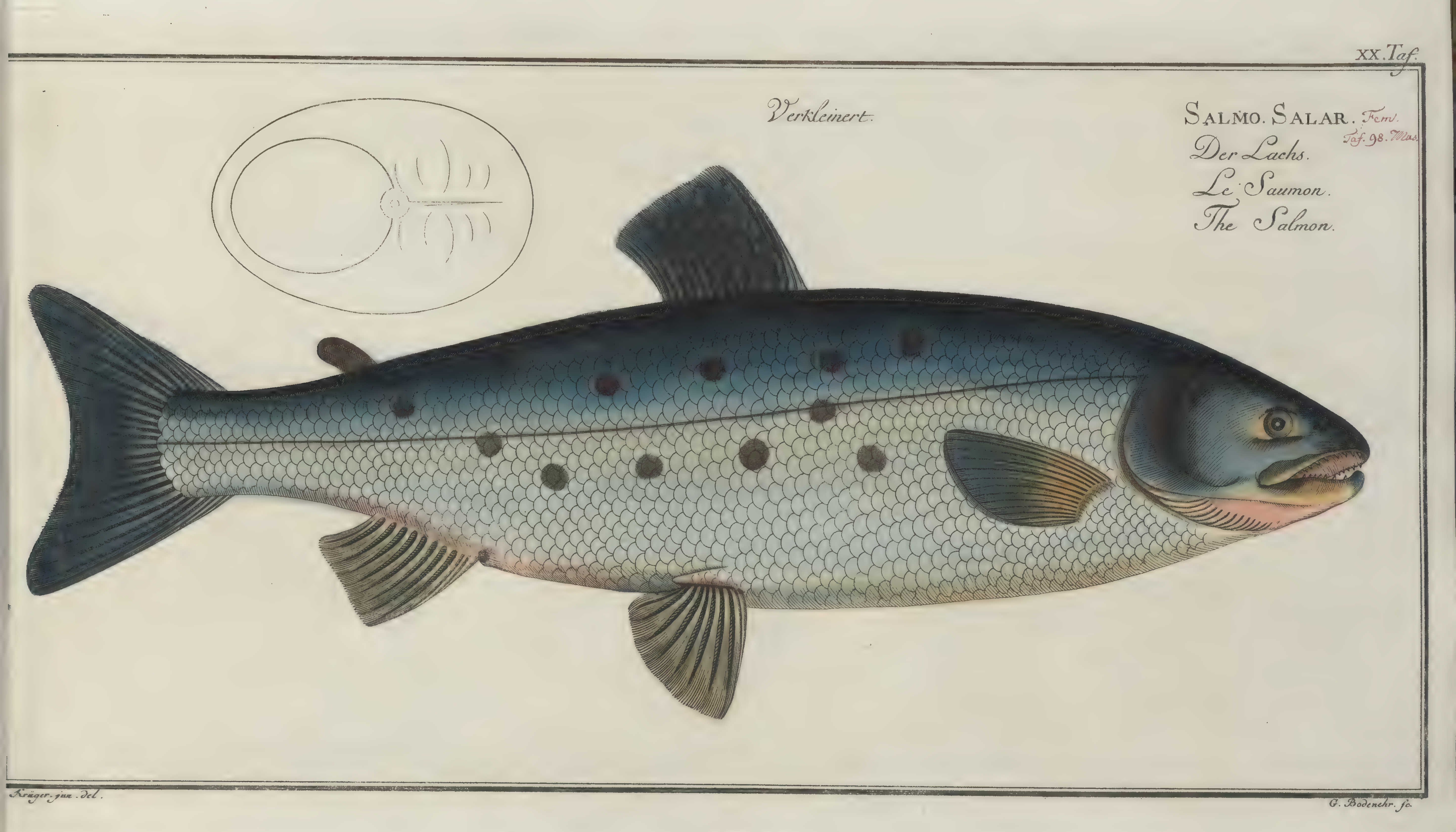
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XVIII. Taf.
Verkleinert
CYPRINUS BARBUS.
Der Barbe,
Le Barbeau.
The Barbel.

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Fig. 1.
Fig. 2.
Fig. 3.
Fig. 4.
Fig. 5.
Fig. 6.
Fig. 7.
Fig. 8.
Fig. 9.
Fig. 10.
Fig. 11.
Fig. 12.
Fig. 13.
Fig. 14.
Fig. 15.
Fig. 16.
Fig. 17.
Fig. 18.
Fig. 19.

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XX. Taf.
Verkleinert.
SALMO. SALAR. Fem.
Taf. 98. Mas.
Der Lachs.
Le Saumon.
The Salmon.
Krüger. jun. del.
G. Bodenehr. fc.

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Krüger jun. del:

G. Bodenehr sc:

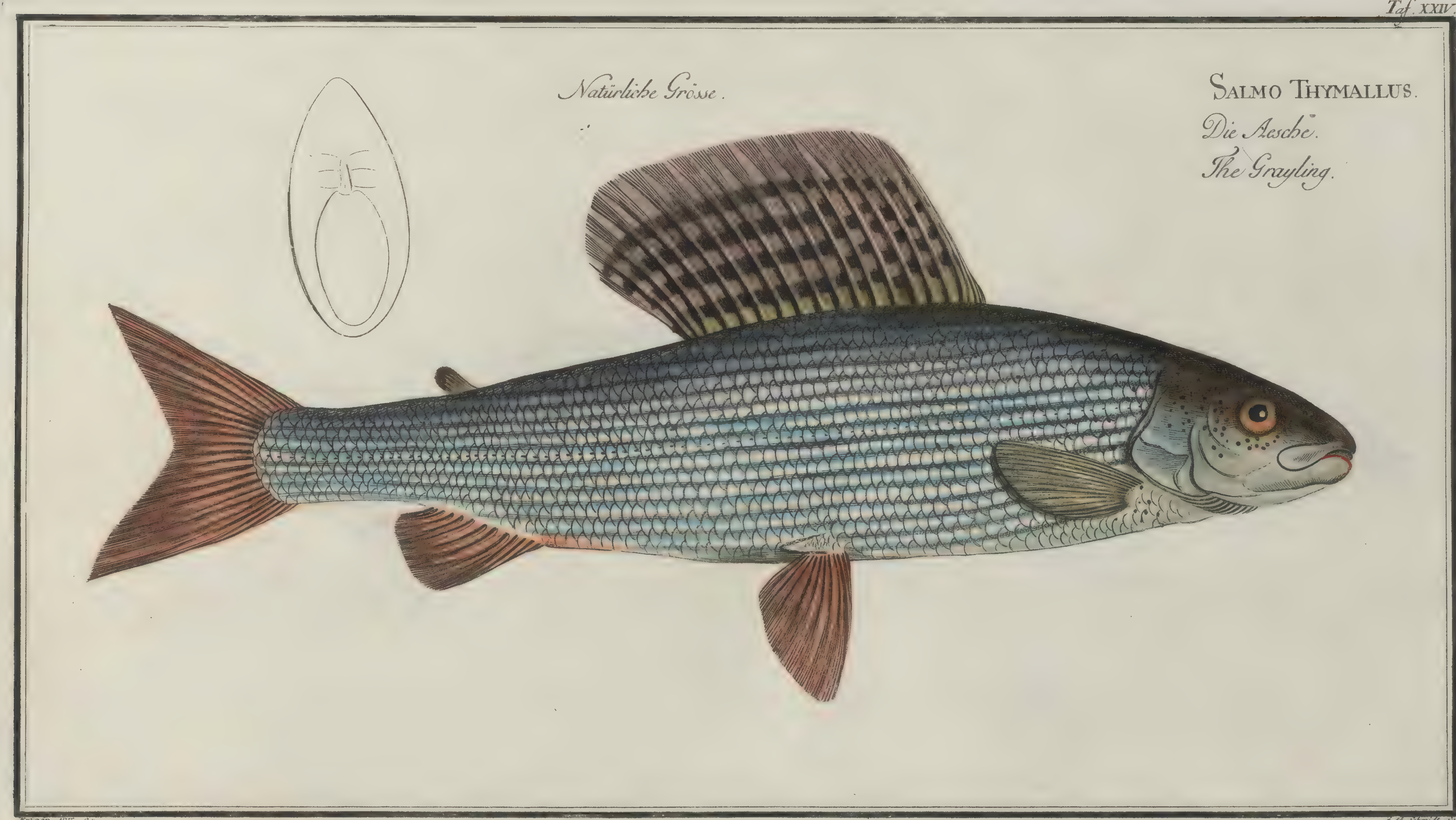
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Natürliche Grösse
Salmo Fario.
Die Teichforelle.
La Truite.
The Trout.
Krüger jun. del.
J. G. Schmidt sc.

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Natürliche Grösse.
SALMO FARIO.
Die Wald=oder Stein=Forelle.
Krüger. jun: del.
J. G. Schmidt. sc.

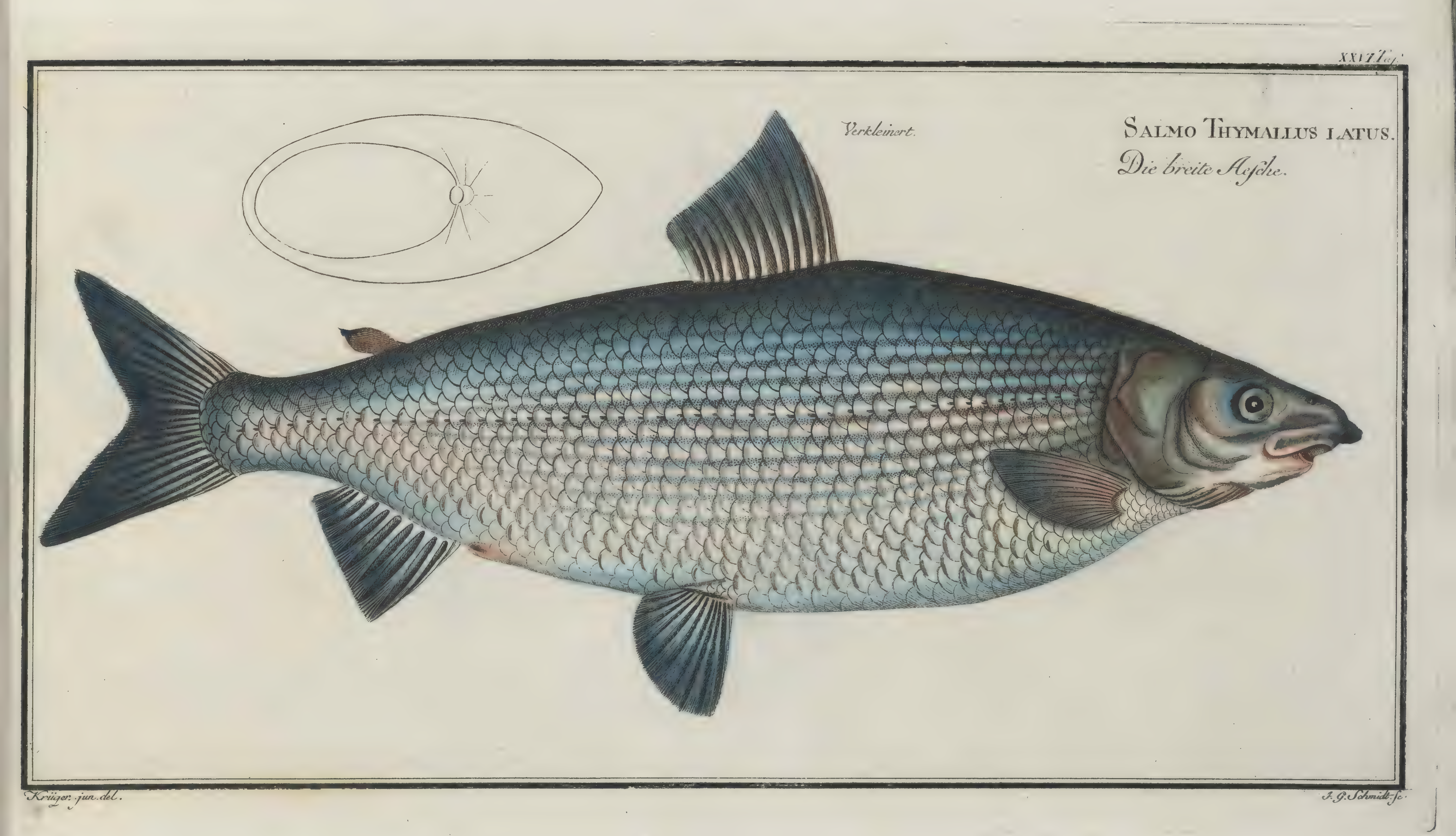
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Taf. XXIV.
Natürliche Grösse.
Salmo Thymallus.
Die Aesche.
The Grayling.

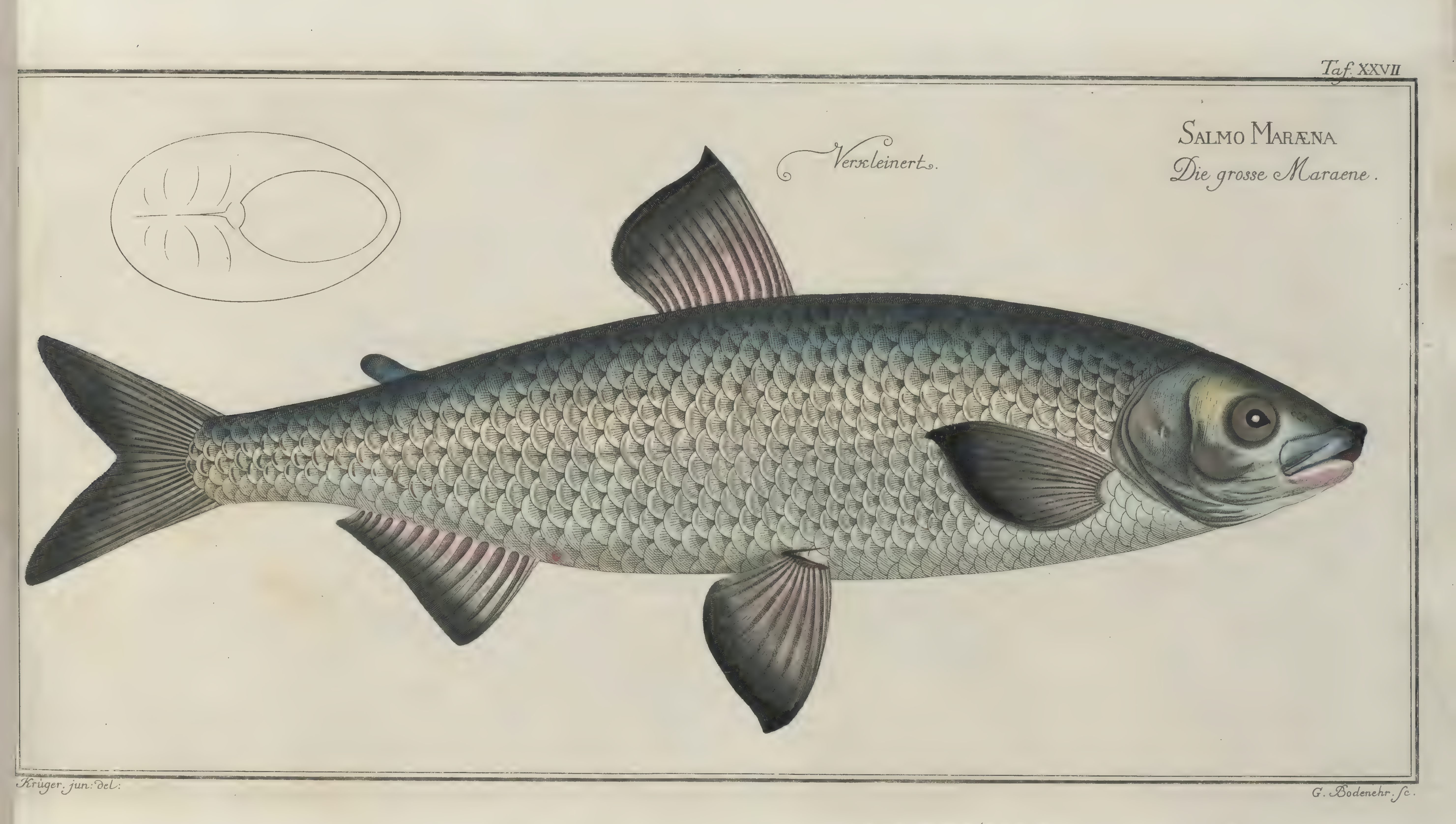
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Taf. XXV
Verkleinert.
SALMO LAVARETUS.
Der Schnäpel.
Le Lavaret.
The Gwiniad.
Krüger jun. del.
G: Bodenehr sc.

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PAGE


XXIV. Taf.
Verkleinert.
SALMO THYMALLUS LATUS.
Die breite Aesche.
Krüger jun. del.
J. G. Schmidt sc.

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PAGE


Verkleinert.
SALMO MARÆNA
Die grosse Maraene.
Krüger. jun: del:
G. Bodenehr. sc.

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Krüger jun. del. G. Bodenehr sc.

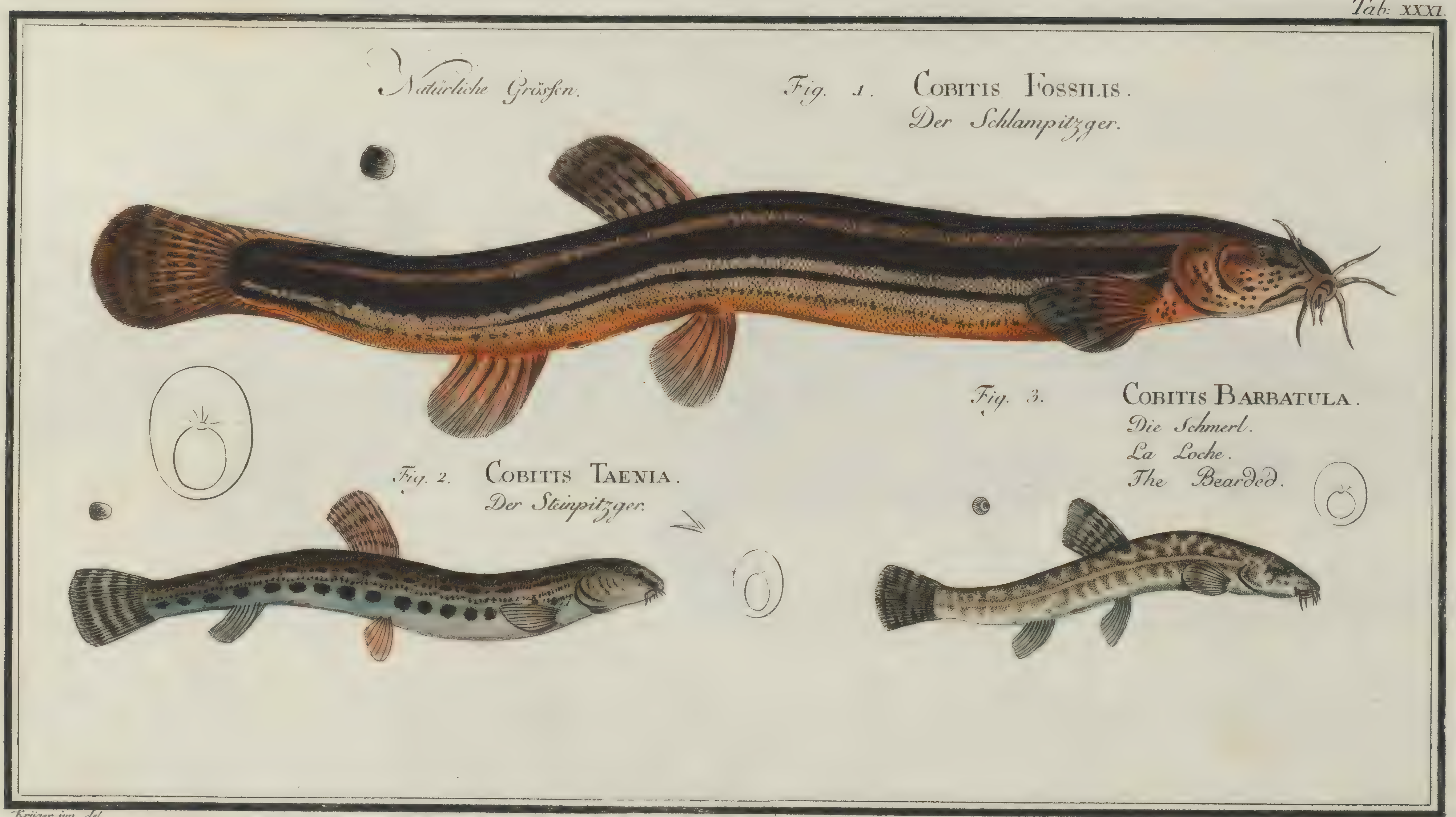
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Fig: 2.
Clupea Sprattus.
Der Breitling.
The Sprat.
Natürliche Grössen.
Fig: 1.
Clupea Harengus.
Der Hering.
Le Hareng.
The Herring.
Fig: 1.
Fig 2.
Krüger jun: del:
Bodenehr sc.

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Taf. XXX
Fig: 2.
Verkleinert.
Fig: 1.
Clupea Encrasicolus.
Der Anjovis.
L' Anchois.
The Anchovy.
Fig: 1.
Clupea Alosa.
Die Alse.
L' Alose.
The Schad.
Natürliche Grösse.
Fig: 2.
Krüger jun. del:
G: Bodenehr sc:

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Krüger. jun. del.

J. G. Schmidt sc.

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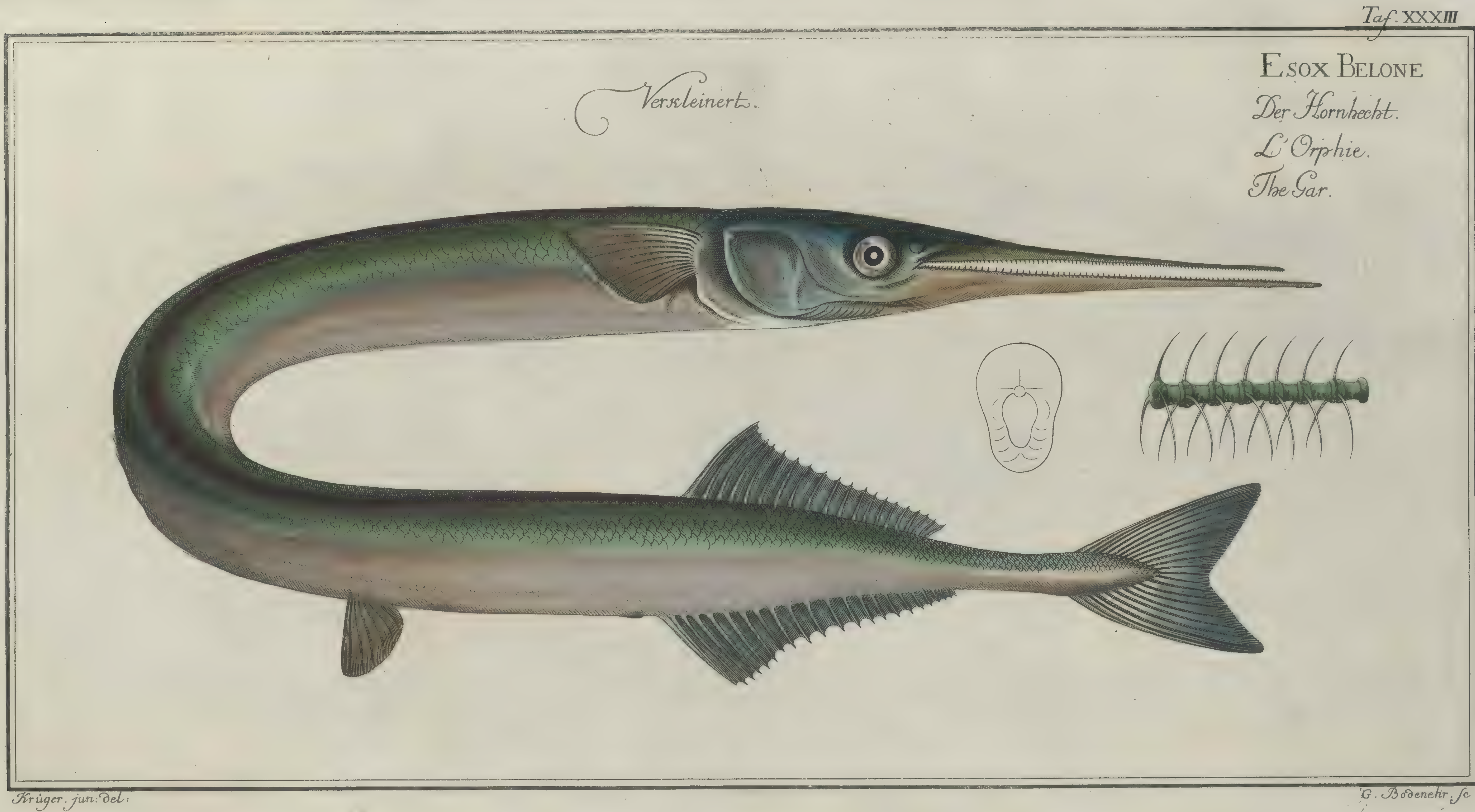
Taf. XXXII.



Krüger. jun: del:

G. Bodenehr. sc:

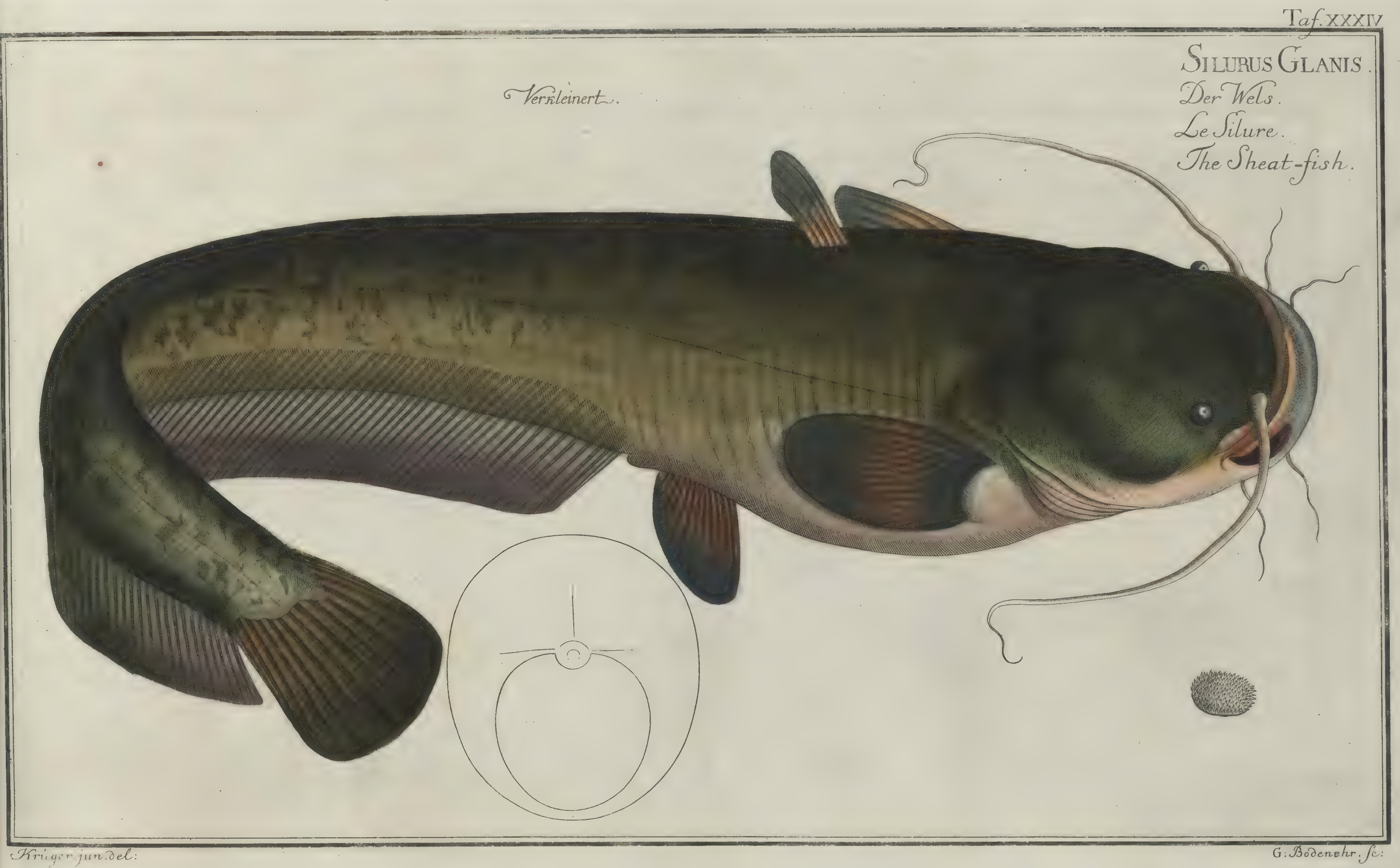
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Taf. XXXIV

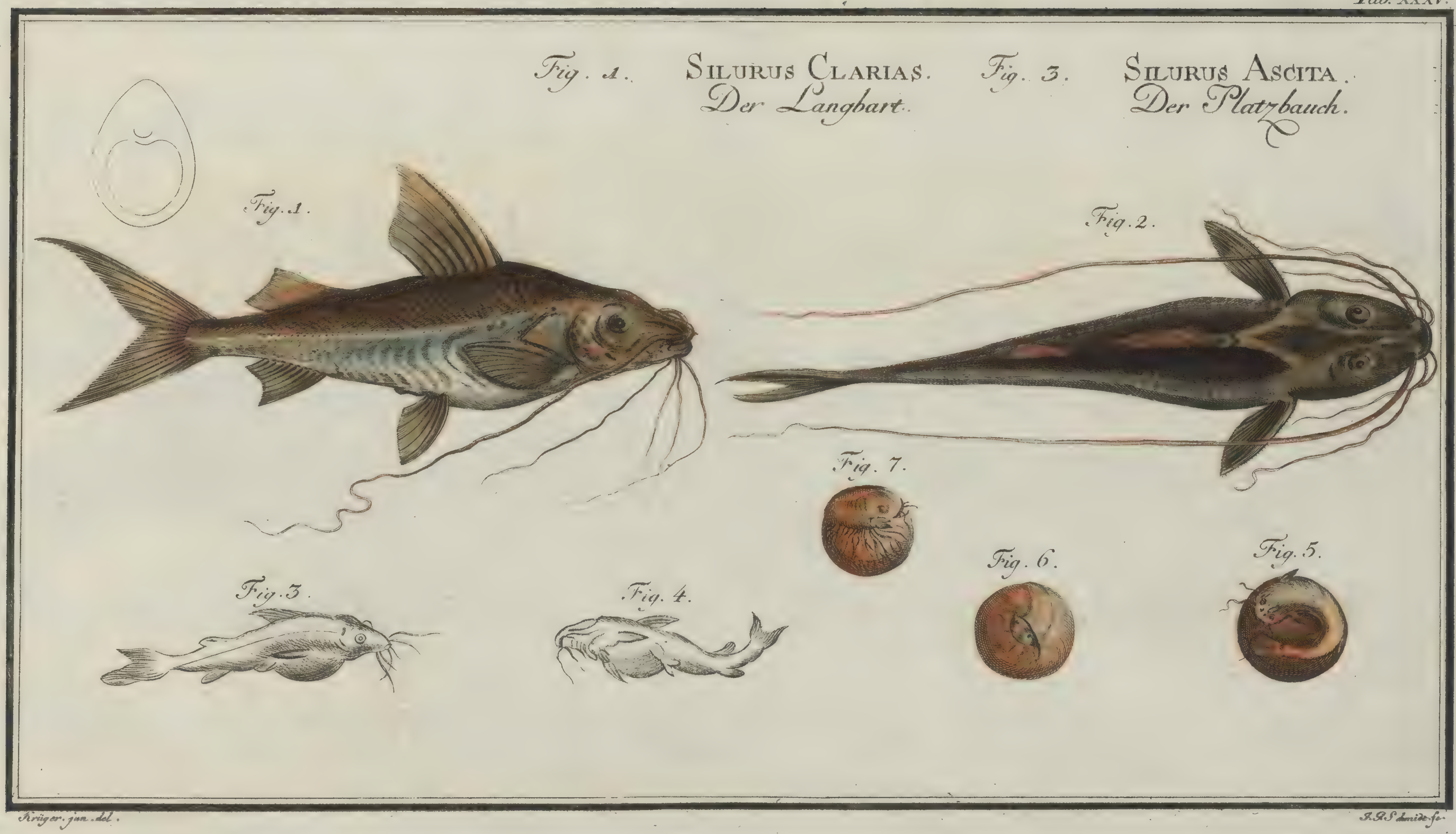


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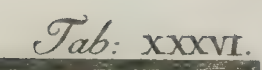
G: Bödenehr. sc:

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Tab: XXXV.


Fig. 1. Silurus Clarias. Der Langbart.
Fig. 3. Silurus Ascita. Der Platzbauch.
Fig. 1.
Fig. 2.
Fig. 7.
Fig. 6.
Fig. 5.
Fig. 3.
Fig. 4.
Krüger jun. del.
J. G. Schmidt fc.

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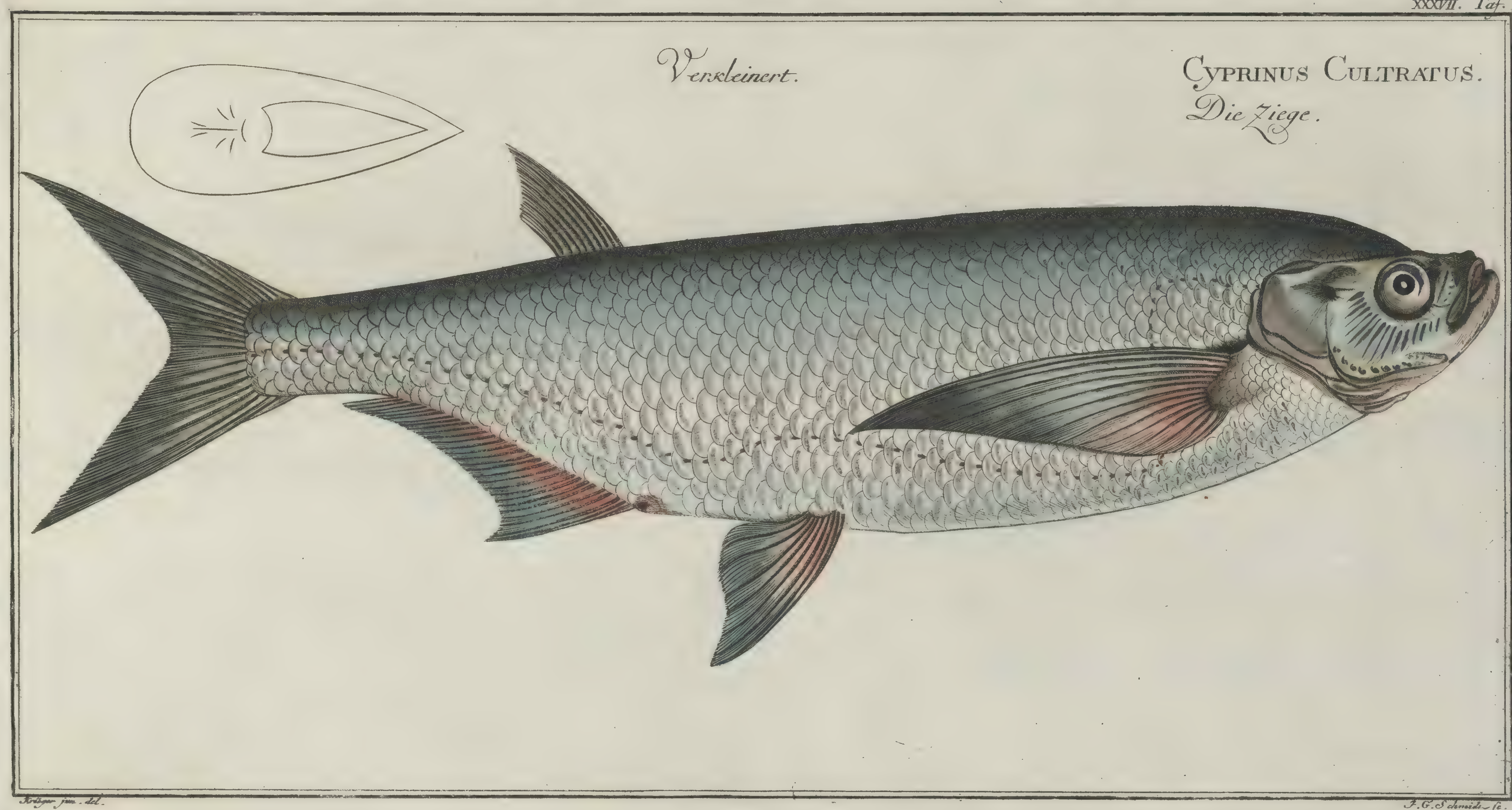
Verkleinert.

CYPRINUS JDUS.

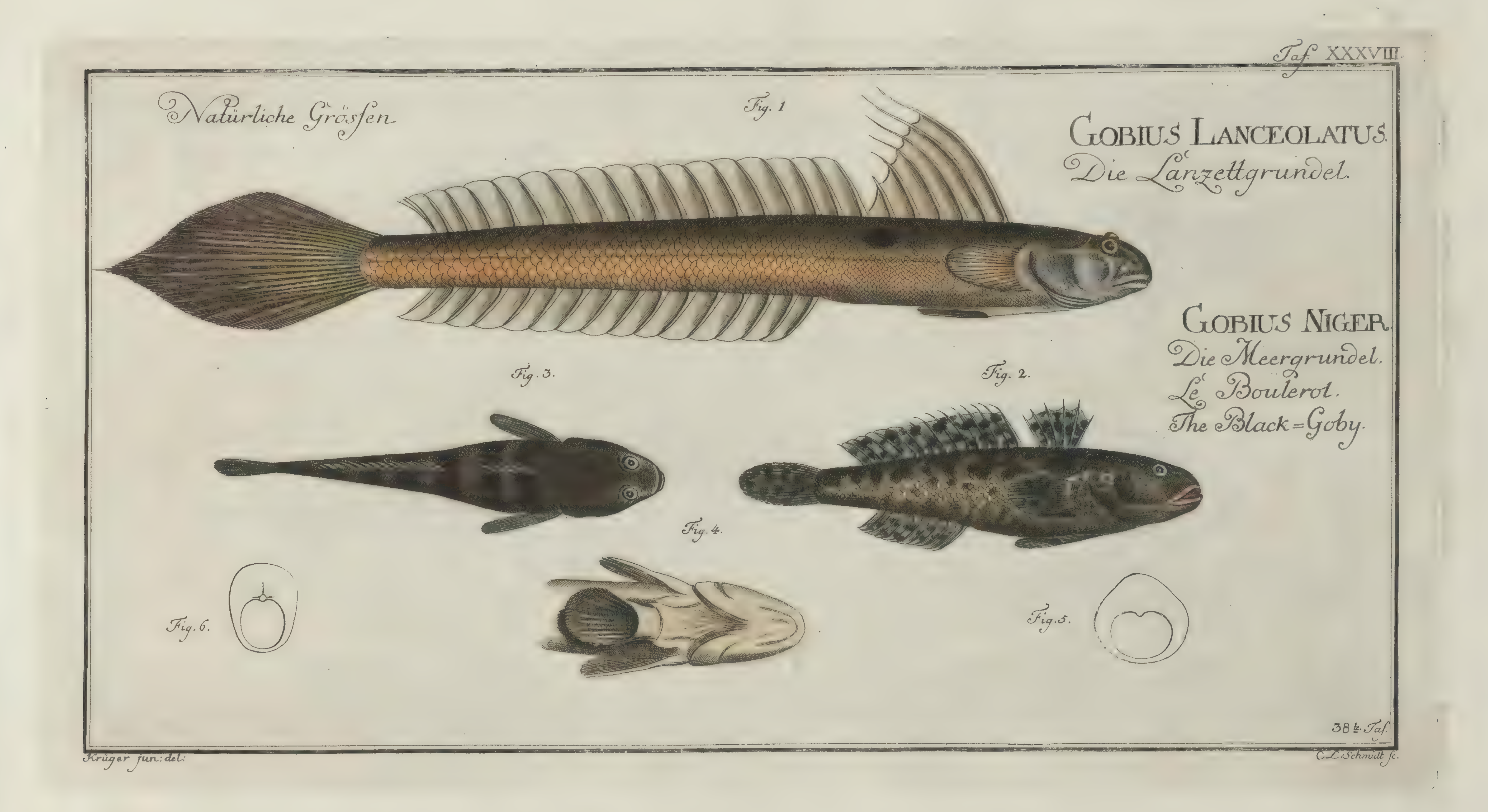
Der Kühling.

Krüger. jun. del: *J. G. Schmidt. fc.*

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Verkleinert.
Cyprinus Cultratus.
Die Ziege.
Krüger jun. del.
J. G. Schmidt sc.

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PAGE


Taf. XXXVIII.
Natürliche Grössen
Fig. 1
GOBIUS LANCEOLATUS.
Die Lanzettgrundel.
GOBIUS NIGER.
Die Meergrundel.
Le Boulerot.
The Black=Goby.
Fig. 3.
Fig. 2.
Fig. 4.
Fig. 6.
Fig. 5.
38te. Taf.
Krüger jun: del:
C.L.Schmidt sc.

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COTTUS CATAPHRACTUS.
Der Steinpicker.
The Armed Bullhead.

Natürliche Grössen.

COTTUS GOBIO.
Der Kaulkopf.
Le Chabot.
The River Bullhead.

Fig. 3.

Fig. 1.

Fig. 4.

Fig. 2.

39te Taf.

Krüger Jun: del:

C. L. Schmidt sc:

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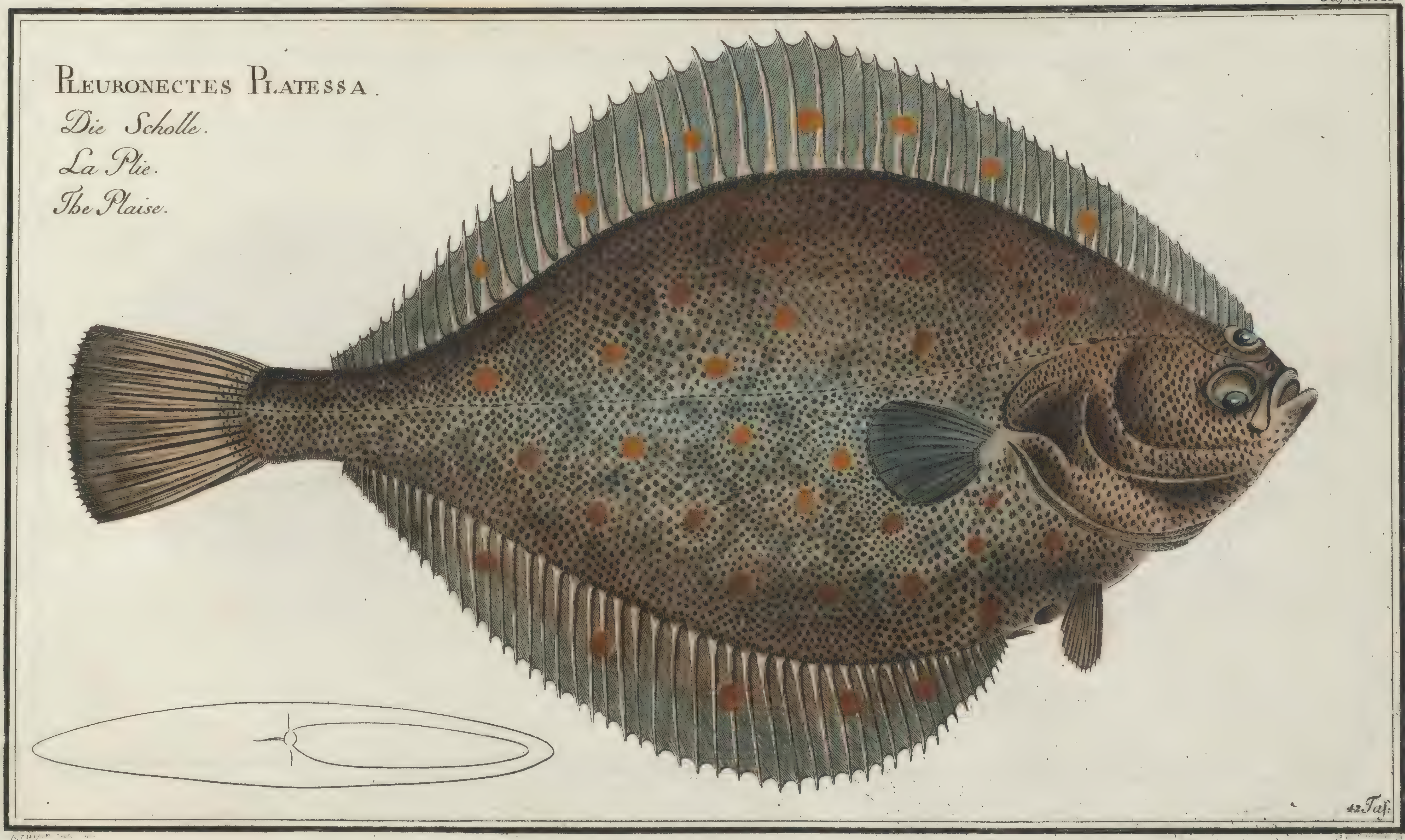
Krüger jun: del.

C. L. Schmidt sc.

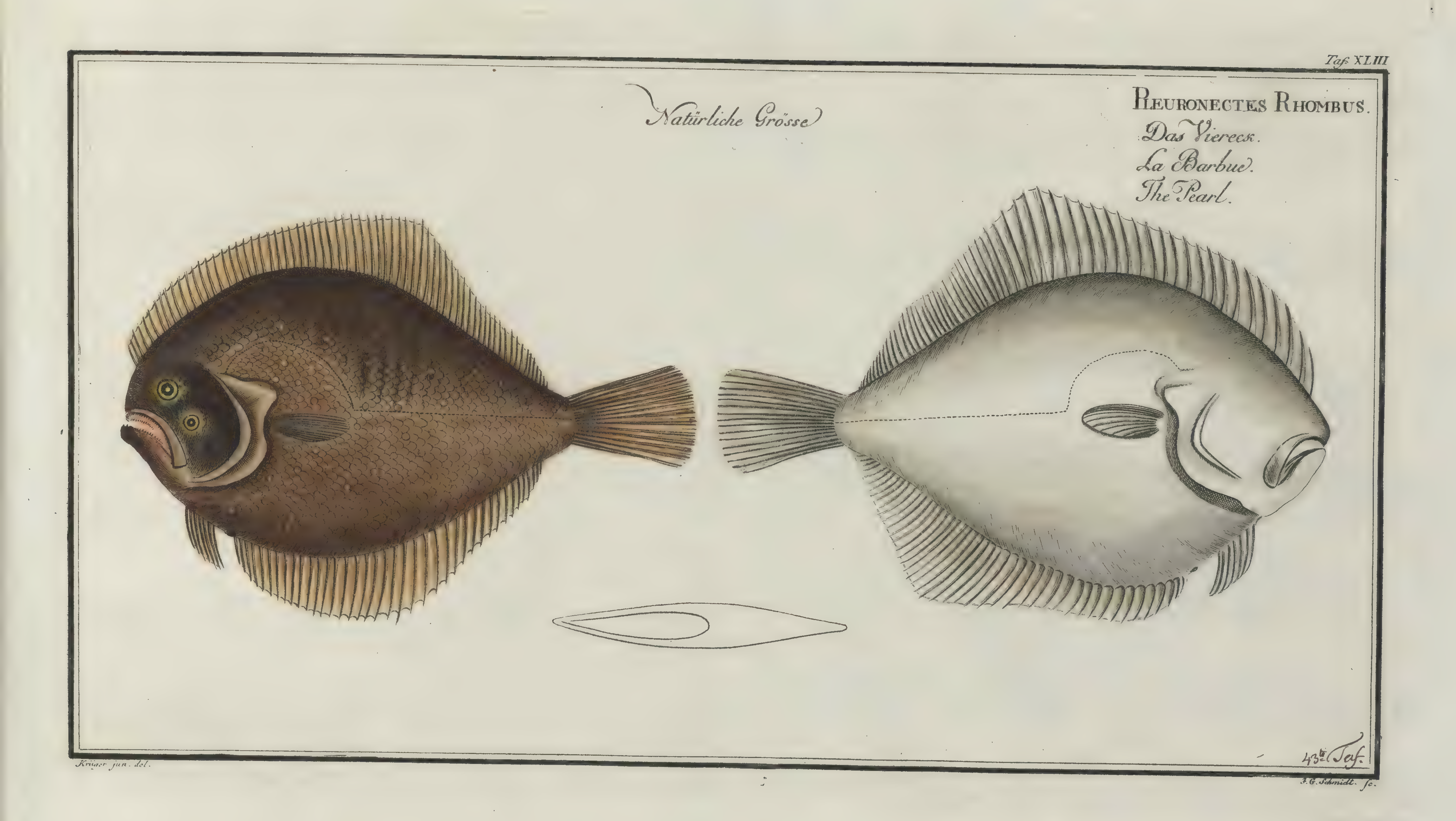
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Verkleinert
ZEUS FABER.
Der Sonnenfisch.
La Doree.
The Doree.
41 te Taf.
Kruger jun: del:
C. L. Schmidt sc.

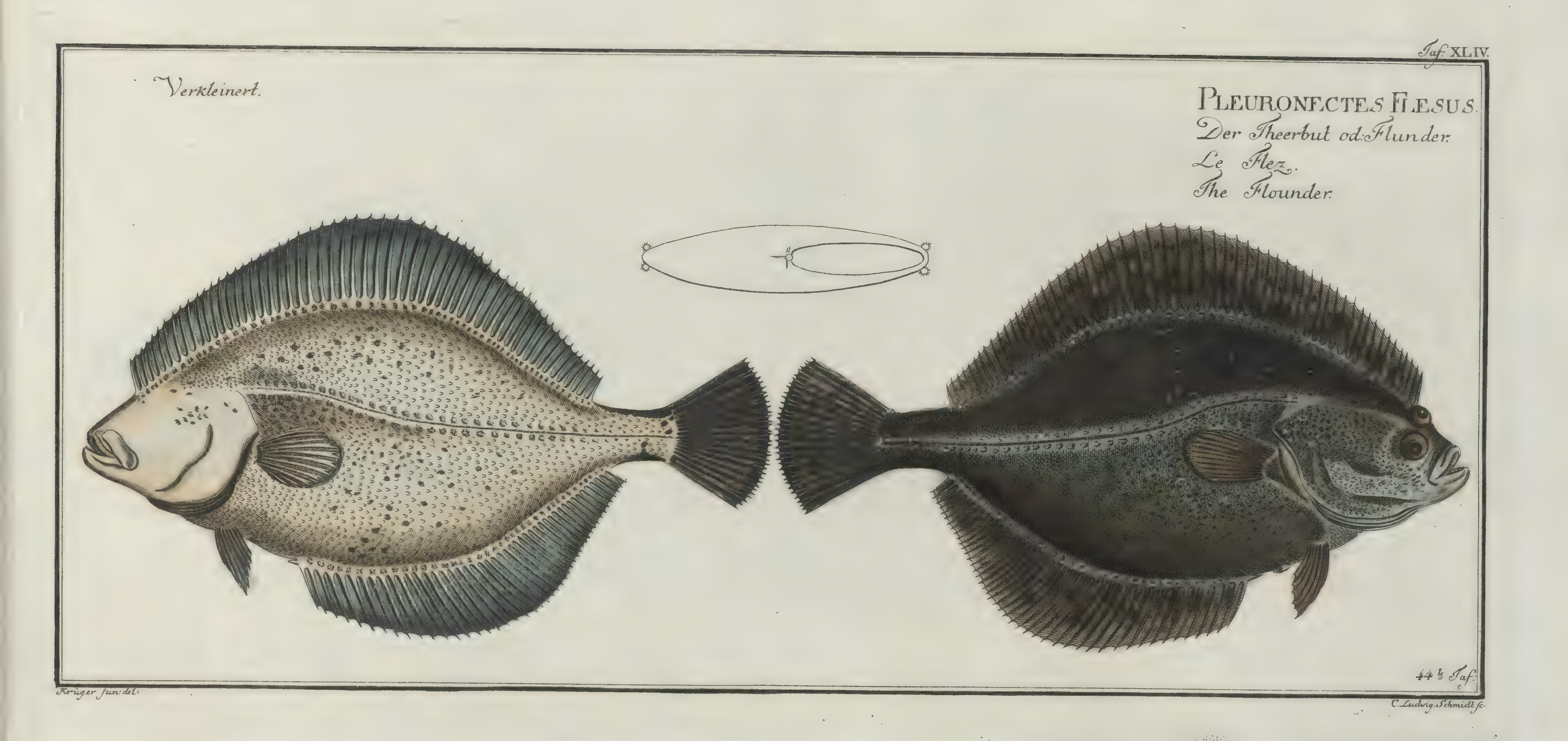
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Pleuronectes Platessa.
Die Scholle.
La Plie.
The Plaise.
42 Taf.

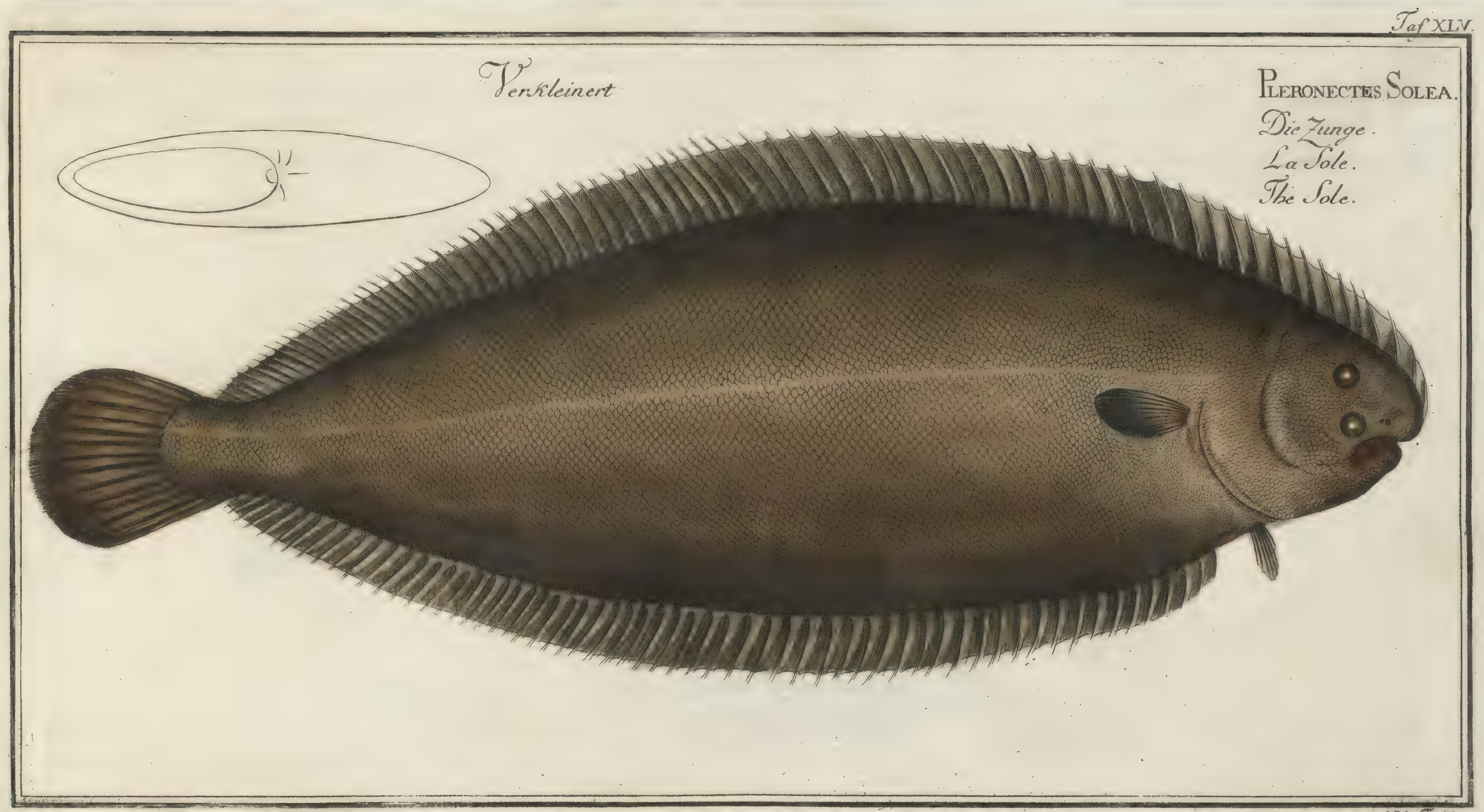
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Taf. XLIII
Natürliche Grösse
Pleuronectes Rhombus.
DasViereck.
La Barbue.
The Pearl.
43te Taf.
Krüger jun. del.
J. G. Schmidt. sc.

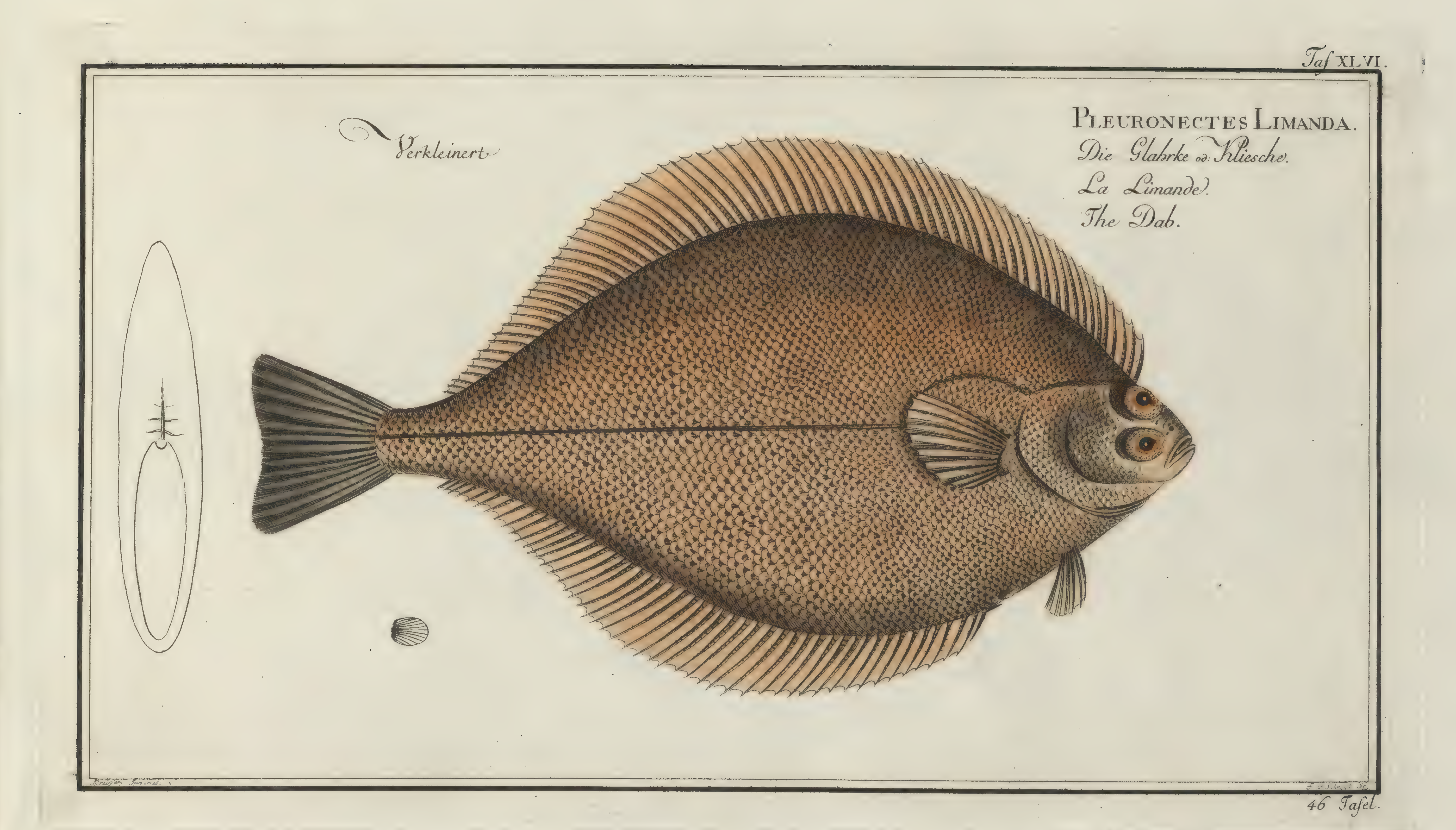
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Taf. XLIV.
Verkleinert.
PLEURONECTES FLESUS.
Der Theerbut od: Flunder.
Le Flez.
The Flounder.
44 te Taf.
Krüger jun: del.
C. Ludwig Schmidt sc.

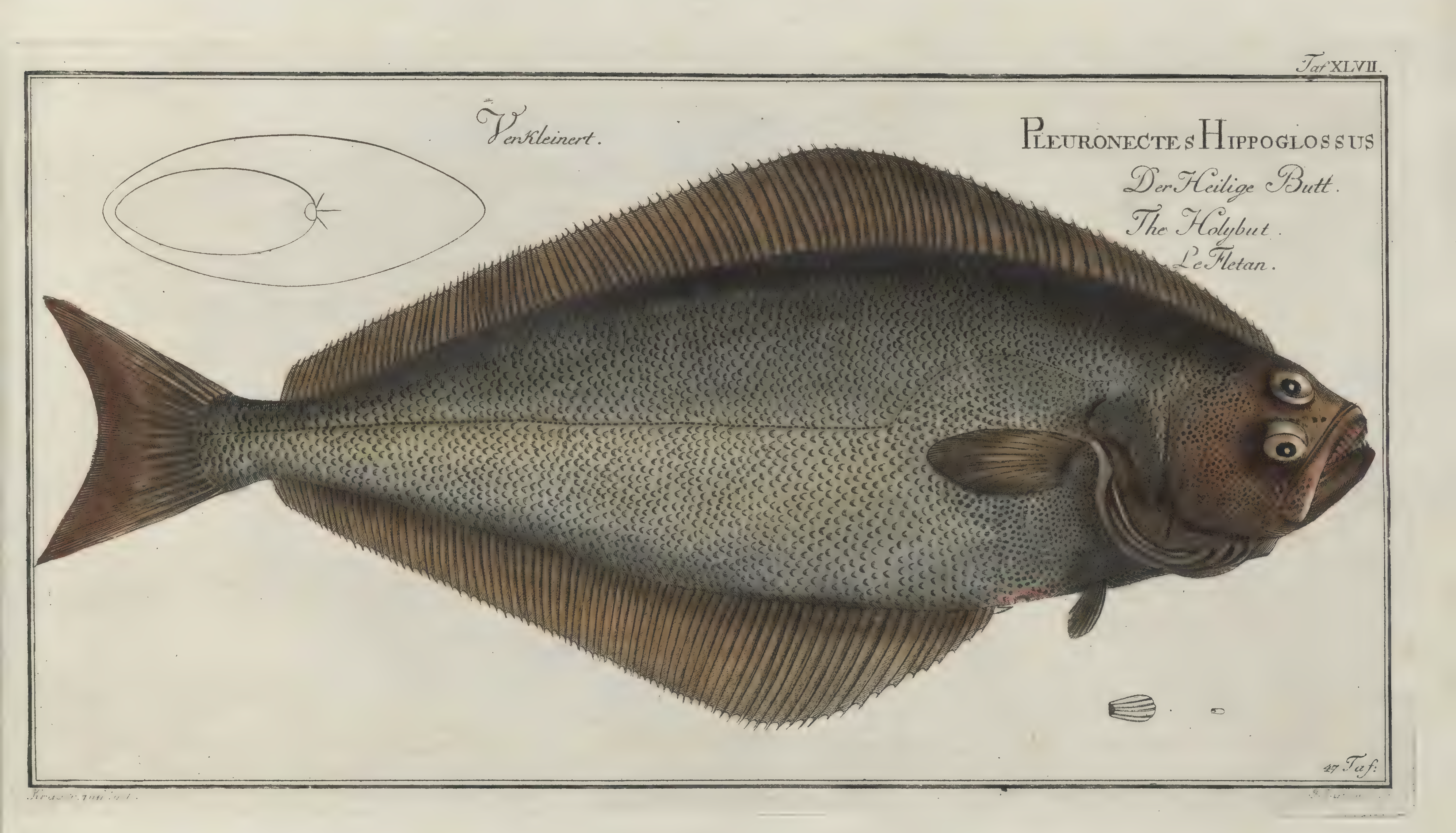
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Verkleinert
PLERONECTES SOLEA.
Die Zunge.
La Sole.
The Sole.

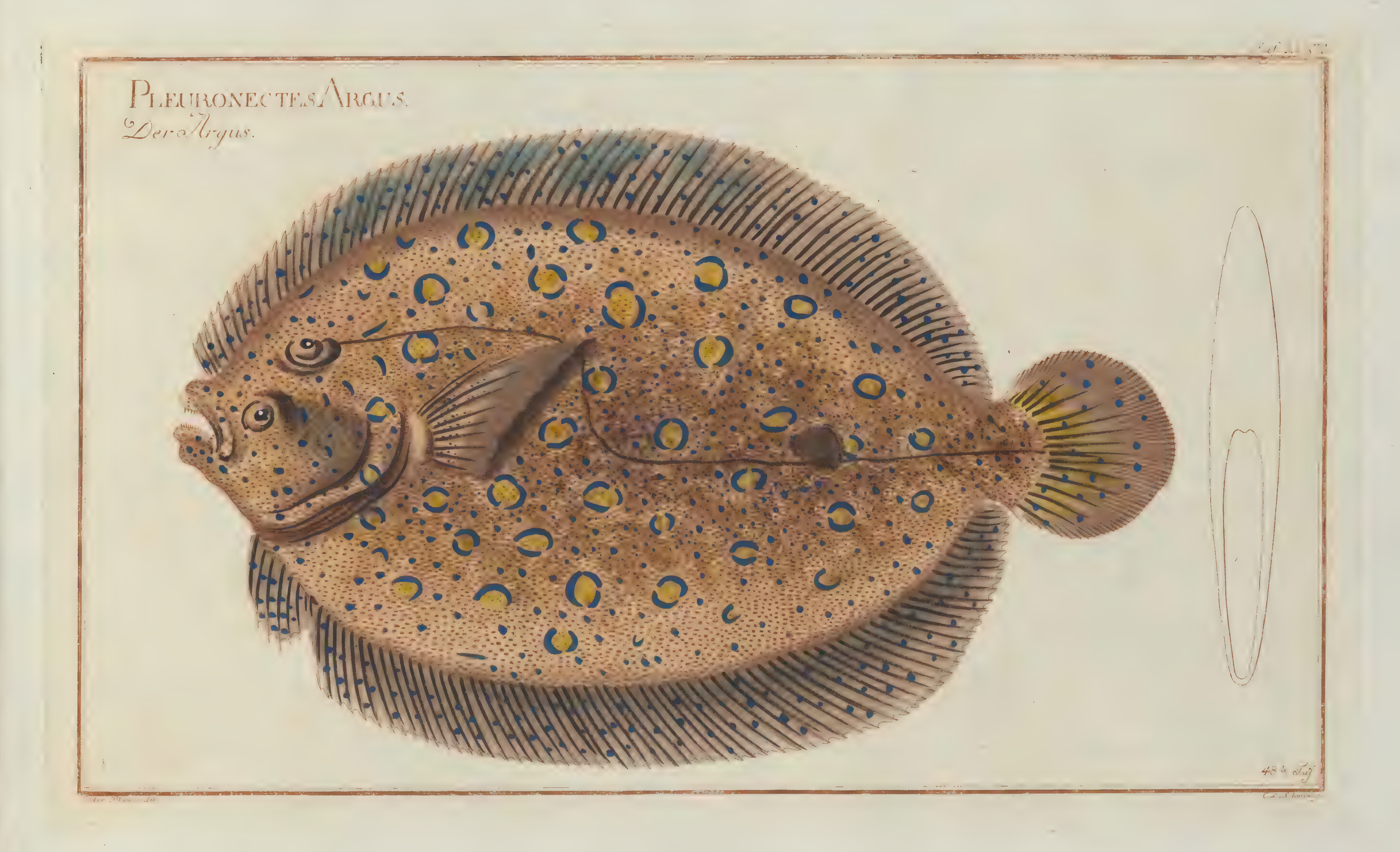
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Taf XLVI.
Verkleinert
Pleuronectes Limanda.
Die Glahrke od: Kliesche.
La Limande.
The Dab.
46 Tafel.

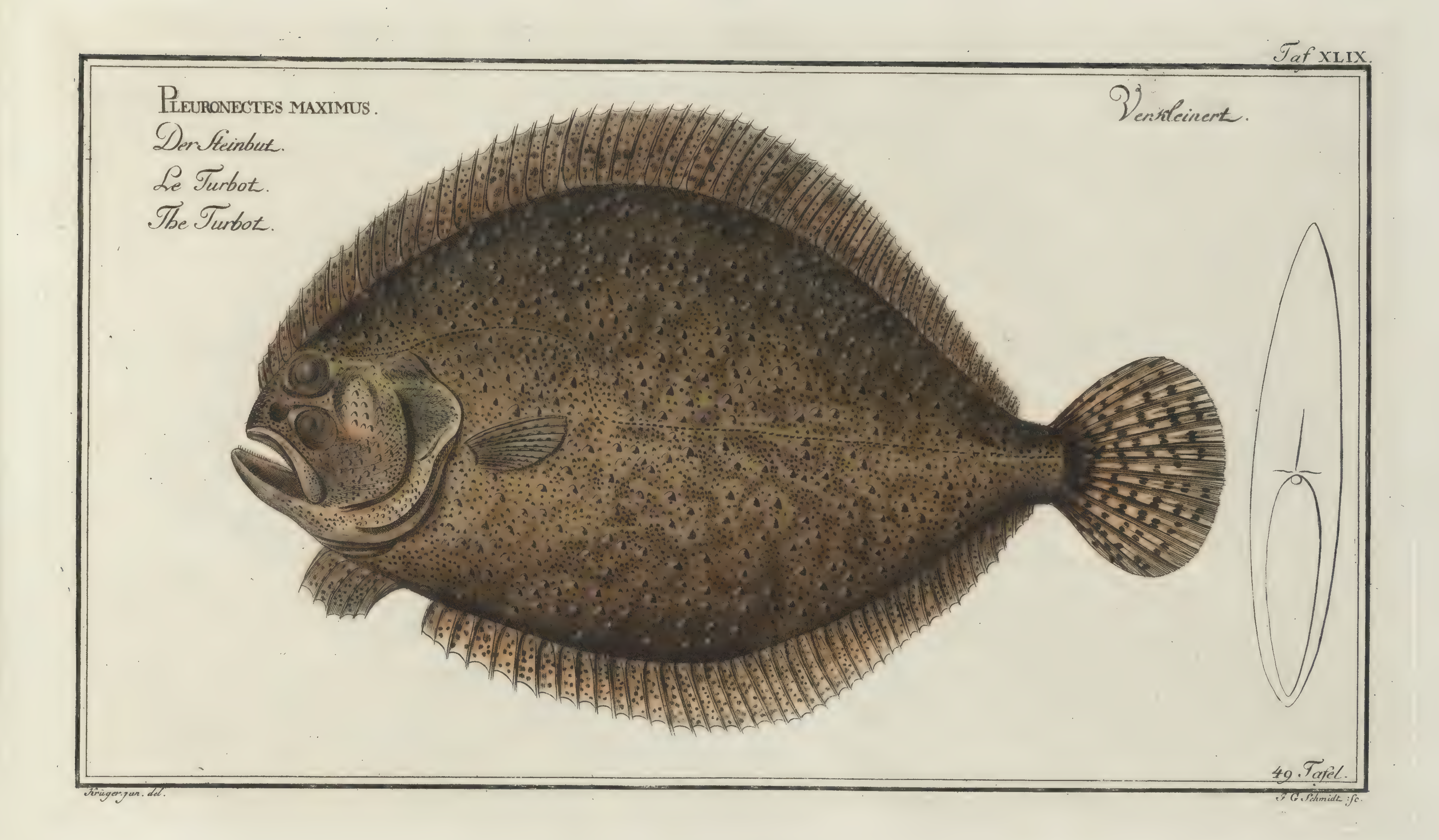
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Taf. XLVII.
Verkleinert.
PLEURONECTES HIPPOGLOSSUS
Der Heilige Butt.
The Holybut.
Le Fletan.
47 Taf.

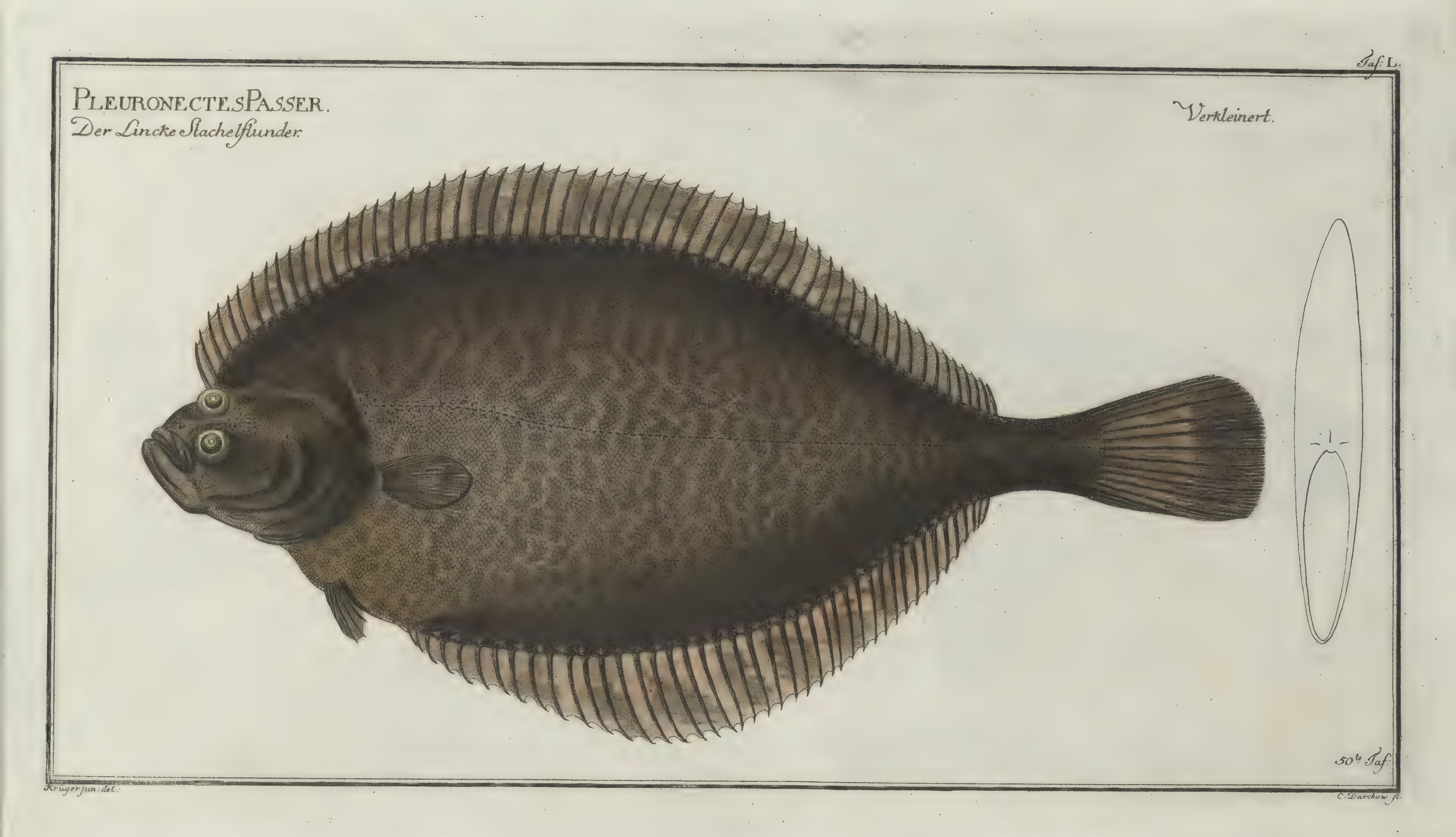
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PLEURONECTES ARGUS.
Der Argus.
48 te Taf.

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Taf. XLIX.
PLEURONECTES MAXIMUS.
Der Steinbut.
Le Turbot.
The Turbot.
Verkleinert.
49. Tafel.
Krüger jun. del.
J. G. Schmidt sc.

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PAGE


Taf. L.
PLEURONECTES PASSER.
Der Lincke Stachelflunder.
Verkleinert.
50te Taf.
Krüger jun: del.
C. Darchow sc.

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Taf. LI
Verkleinert
Perca Lucioperca.
Der Zander.
51te Taf.
Krüger jun. del.
G. Bodenehr. sc.

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Taf. LII
Natürliche Grösse.
PERGA FLUVIATILIS.
Der Barsch.
La Perche.
The Perch.
51te. Taf:
Krüger. jun. del:
G: Bodenehr. sc:

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PAGE



Natürliche Grösſen.

Fig: 1.

Fig: 2.

Fig: 4.

Fig: 3.

Fig: 1.
GASTEROSTEUS SPINACHIA.
Der Dornfisch.
The Fifteen Spined Stickeback.

Fig: 2.
PERCA CERNUA.
Der Kaulbarsch.

Fig: 3.
GASTEROSTEUS ACULEATUS.
Der Stichling.
L'Espinoche.
The Stickleback.

Fig: 4.
GASTEROSTEUS PUNGITIUS.
Der Kleine See-Stichling.
La petite Espinoche.
The lesſer Stickleback.

Krüger jun: del: C. L. Schmidt sc.

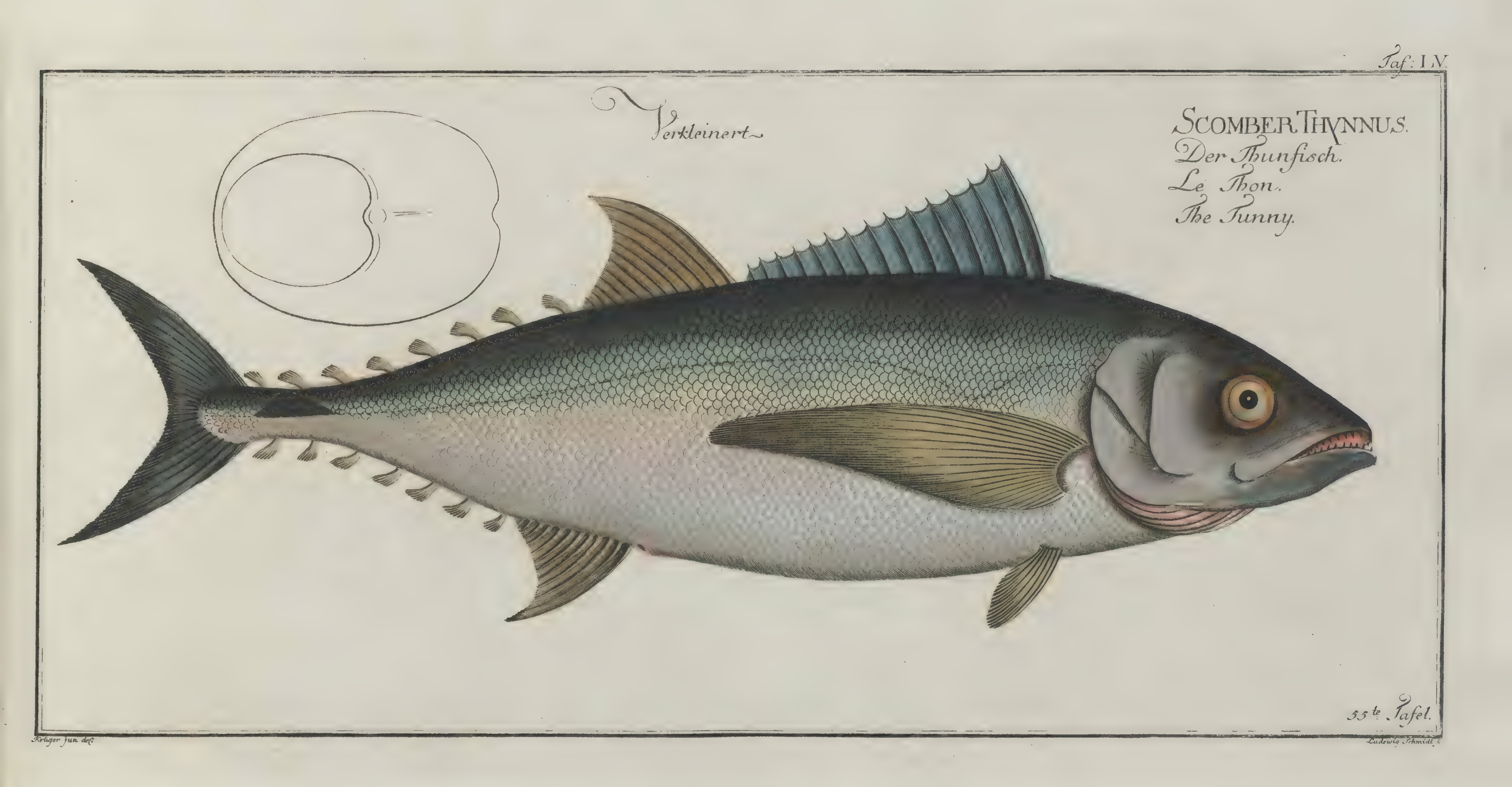
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G: Bodenehr. sc:

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Taf: LV.
Verkleinert
SCOMBER THYNNUS.
Der Thunfisch.
Le Thon.
The Tunny.
55te Tafel.
Krüger jun del.
Ludewig Schmidt sc.

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Verkleinert.

SCOMBER TRACHURUS.
Der Stœker
Le Maquereau bâtard.
The Scad.

56te Tafel.

Krüger jun del. Ludewig Schmidt sc.

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Tab. LVII.
Natürliche Grösse.
Mullus Surmuletus.
Der grosse Rothbart.
Le Surmulet.
The Striped Surmulet.
57.te Tafel.
Kürger jun. del.
Ludewig Schmidt sc.

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Verkleinert

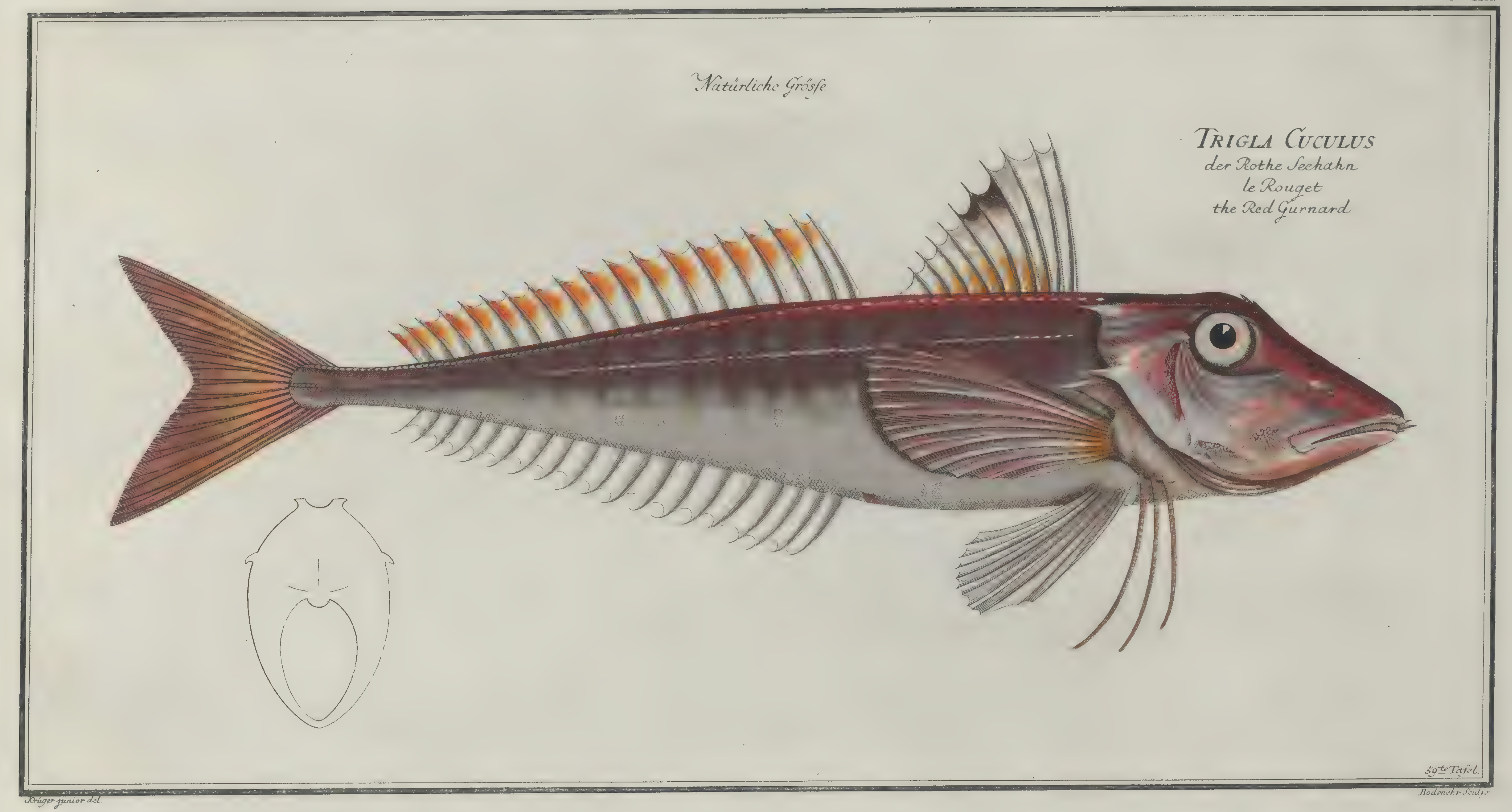
TRIGLA GURNARDUS.

Der graue Seehahn.
The grey Gurnard.
Le Gurneau

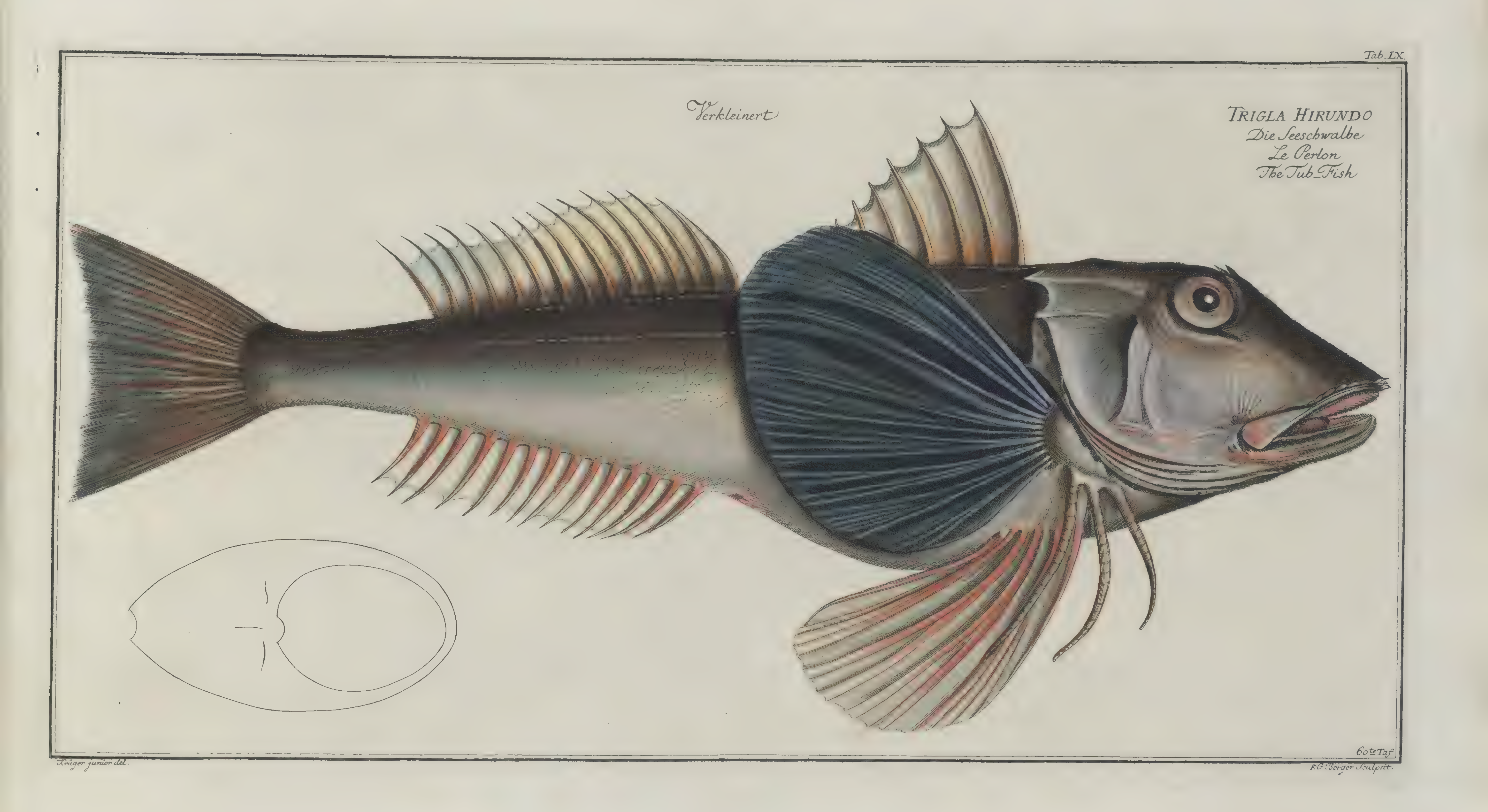
Krüger jun: del:

Ludewig Schmidt sc:

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Natürliche Grösse
TRIGLA CUCULUS
der Rothe Seehahn
le Rouget
the Red Gurnard
59te Tafel.
Krüger junior del.
Bodenehr Sculps.

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Tab. LX.
Verkleinert
TRIGLA HIRUNDO
Die Seeschwalbe
Le Perlon
The Tub-Fish
60te Taf
Krüger junior del.
F.G. Berger Sculpsit.

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Natürliche Grösse.

TRACHINUS DRACO.

Das Petermännchen.

La Vive.

The Common Weever.

Krüger jun. del.

W. Schmidt sc.

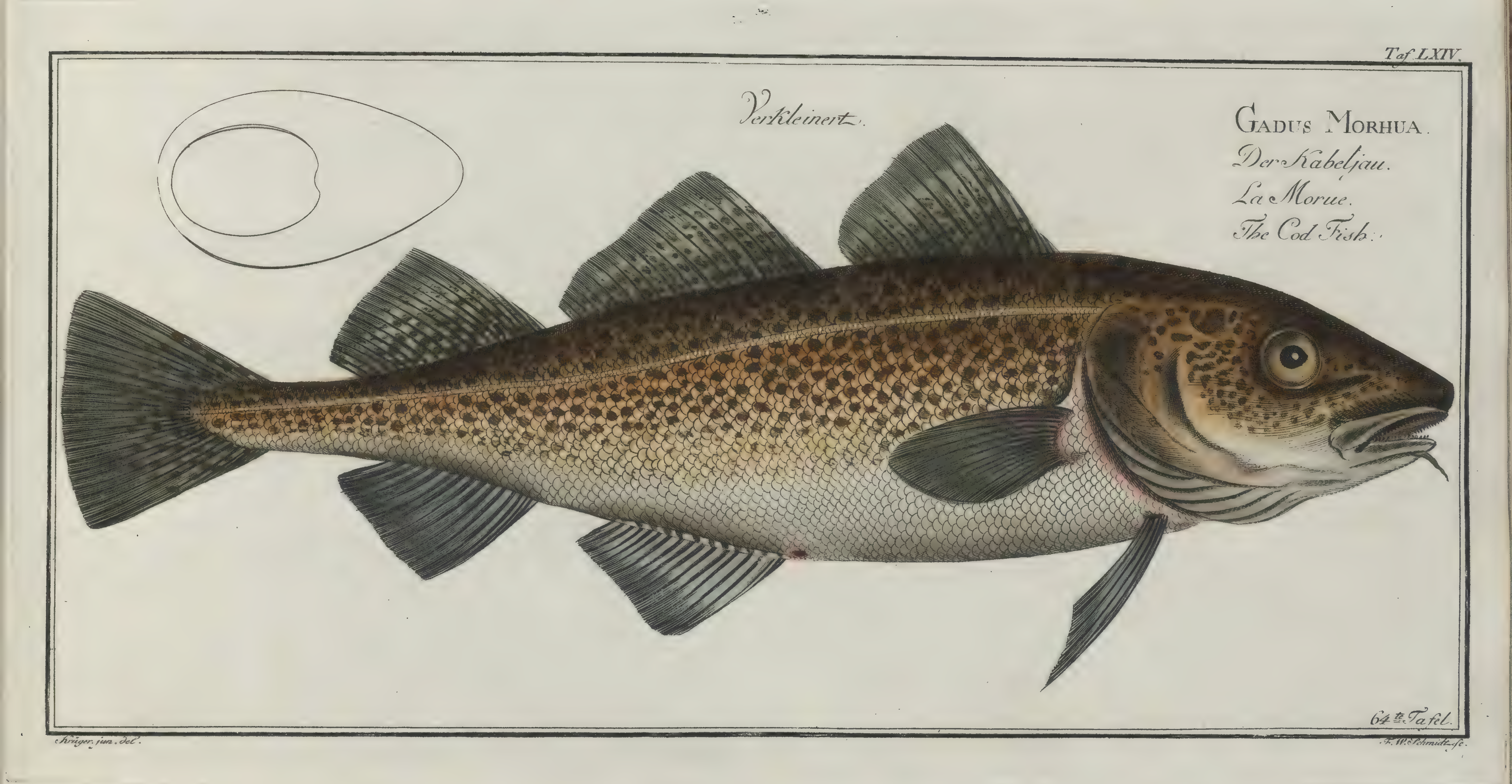
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Verkleinert
Gadus Aeglefinus.
Der Schelfisch.
L'Aigrefin.
The Hadock.
62 Tafel.
Krüger jun. del.
F. W. Schmidt sc.

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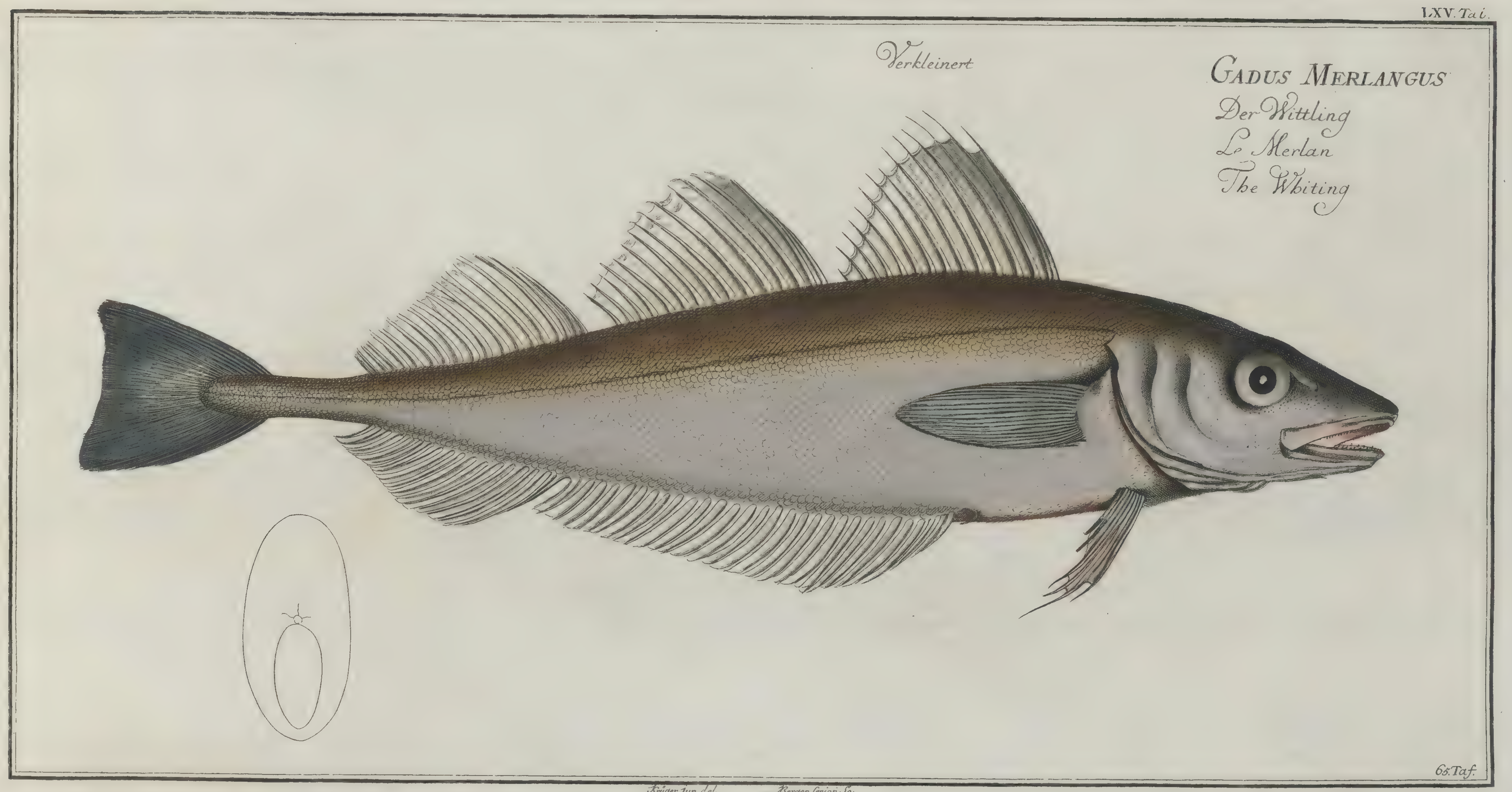

Verkleinert
GADUS: CALLARIAS.
Der Dorsch.
63 Tafel.
Krüger jun: del.
F.W. Schmidt sc.

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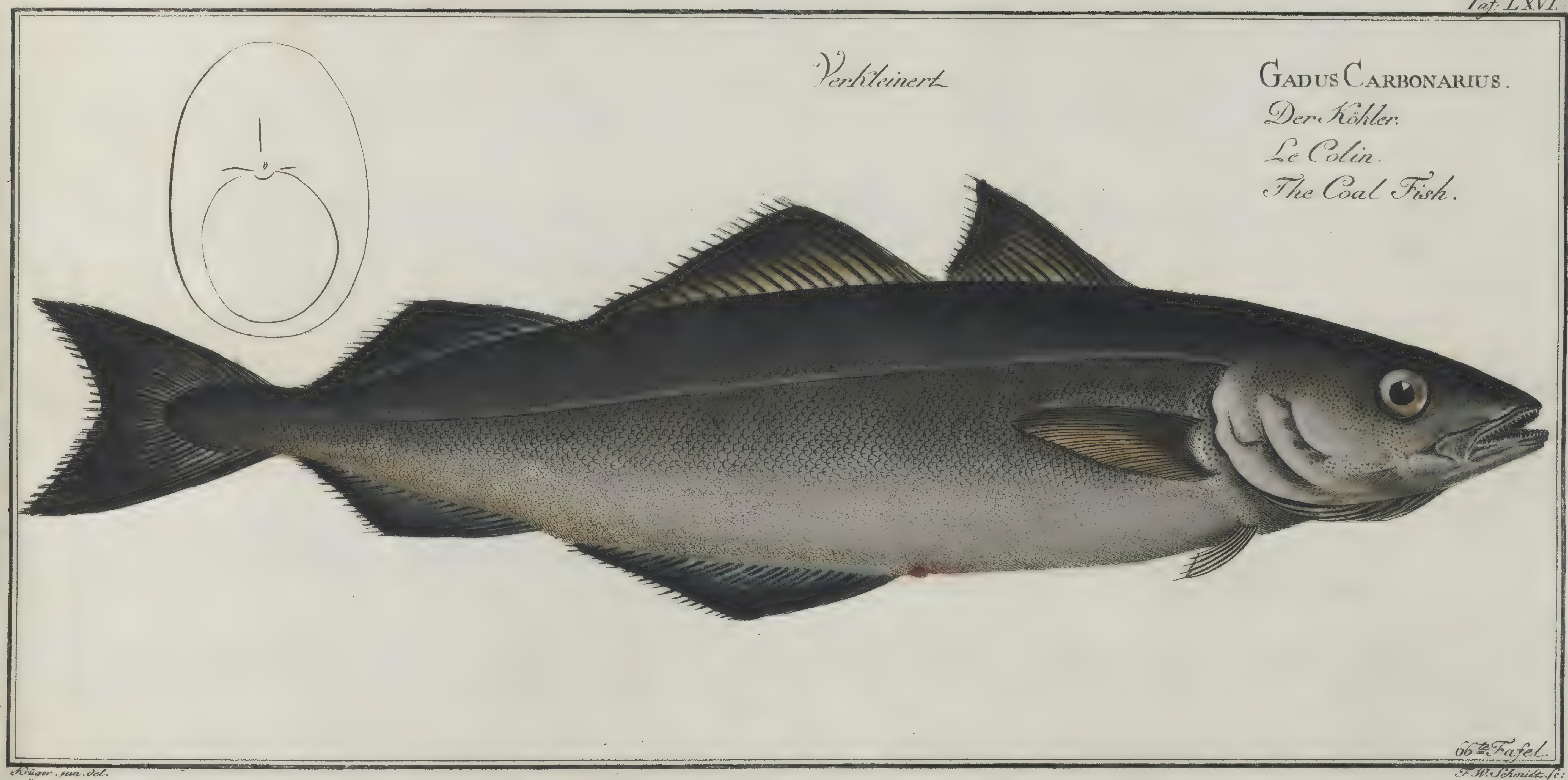
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Krüger Jun. del. ——— Berger senior Sc.

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Taf. LXVI.
Verkleinert
Gadus Carbonarius.
Der Köhler.
Le Colin.
The Coal Fish.
66te Tafel.
Krüger jun. del.
F. W. Schmidt sc:

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Natürliche Grössen

Fig. 1. GADUS MINUTUS
der Zwergdorsch
l'Officier
the Poor

Fig. 2. 3. GADUS TAU
der Krötenfisch.

1.

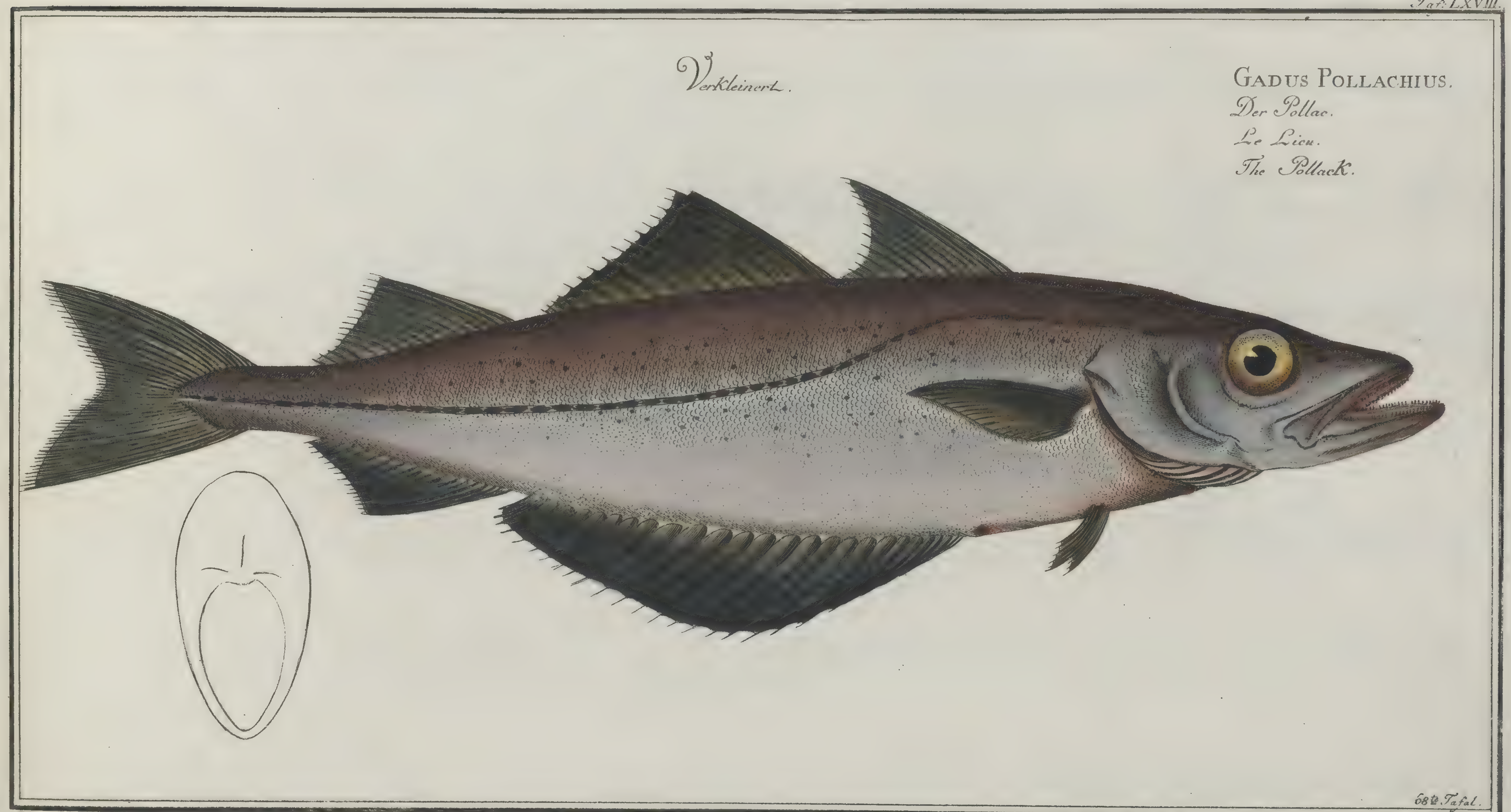
2.

3.

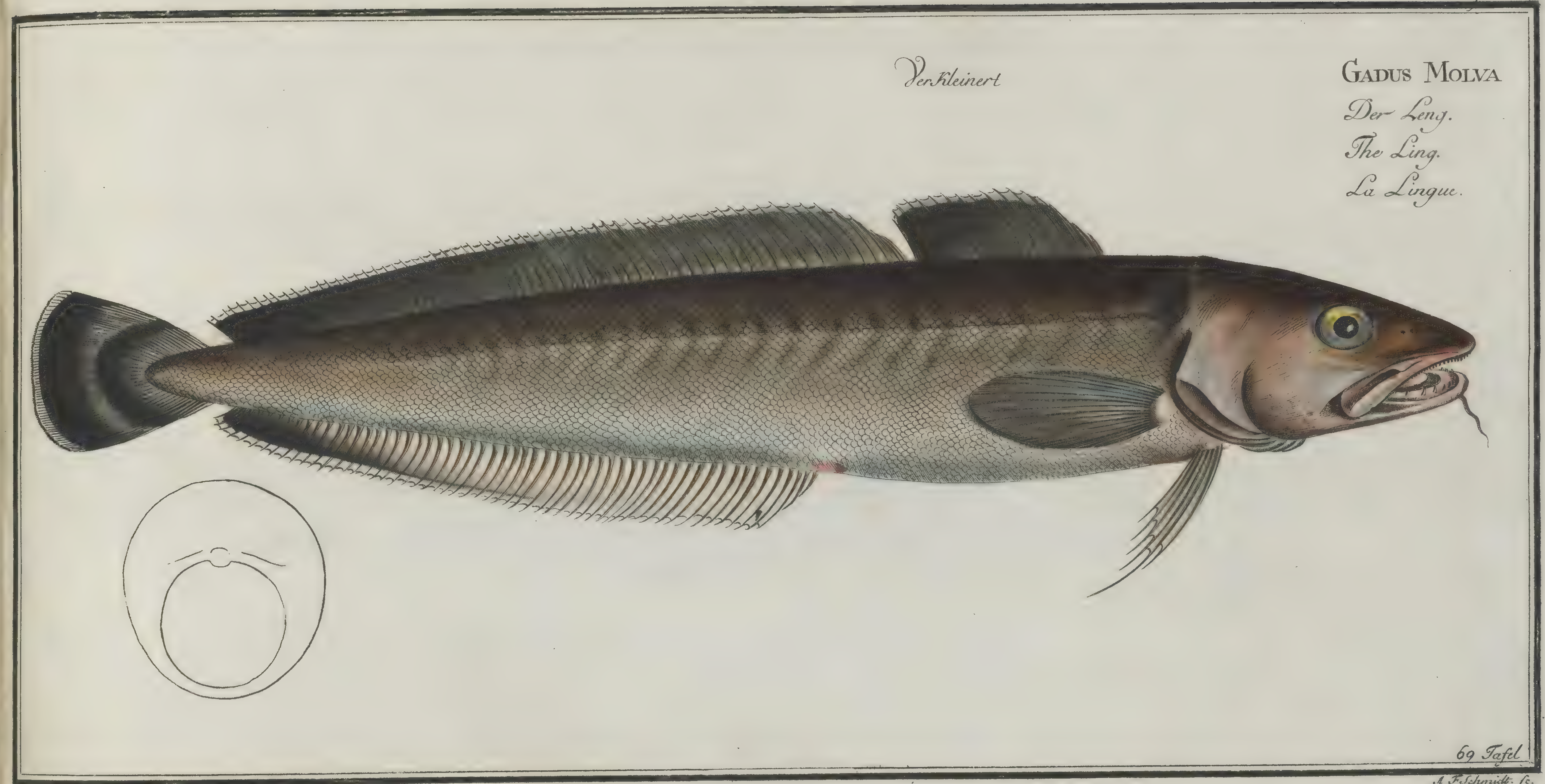
Krüger junior del.

F.G. Berger Sculps.

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Taf. LXVIII.
Verkleinert.
GADUS POLLACHIUS.
Der Pollac.
Le Lieu.
The Pollack.
68te Tafel.

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Krüger. jun. del.

A. F. Schmidt. sc.

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PAGE



Krüger jun. del.

F. W. Schmidt. jun. sc.

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PAGE

Fig. 1. BLENNIUS GUNELLUS.
Der Butterfisch.
The Butterfish.

Natürliche Grössen.

Fig. 2. BLENNIUS PHOLIS.
Die Meerlerche.
La Percepierre.
The Bulcard.

Fig. 2.

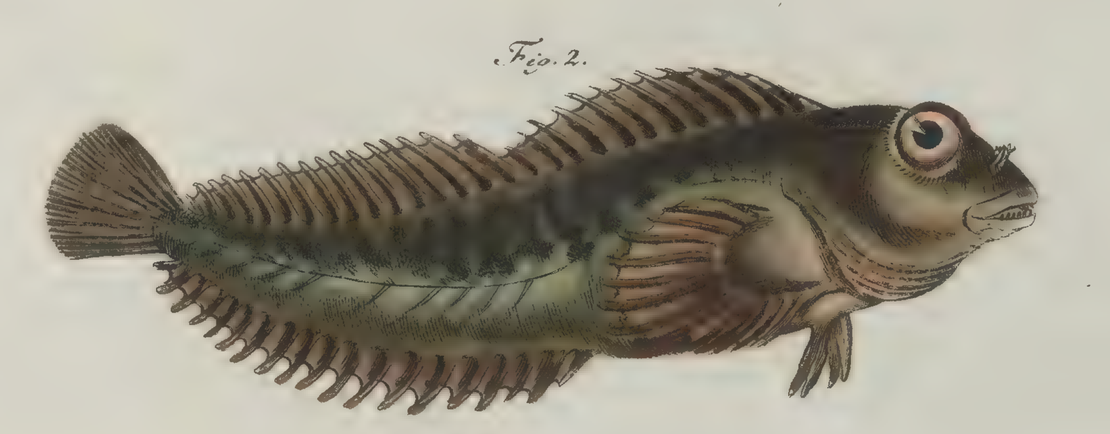
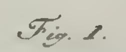


Fig. 3.





Fig. 1.



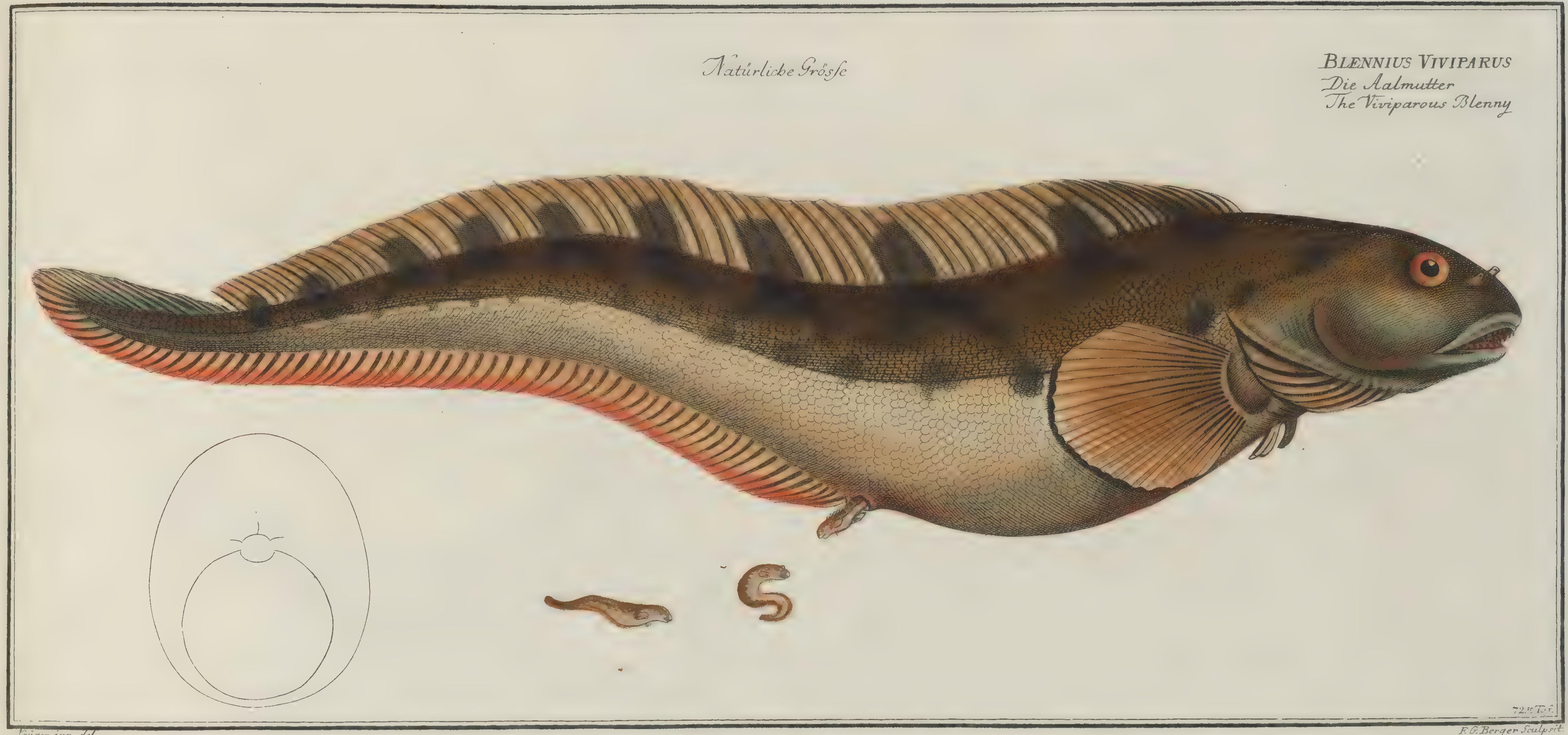




71te Tafel.

Krüger jun. del. — J. W. Schmidt. sc.

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Krüger jun. del.

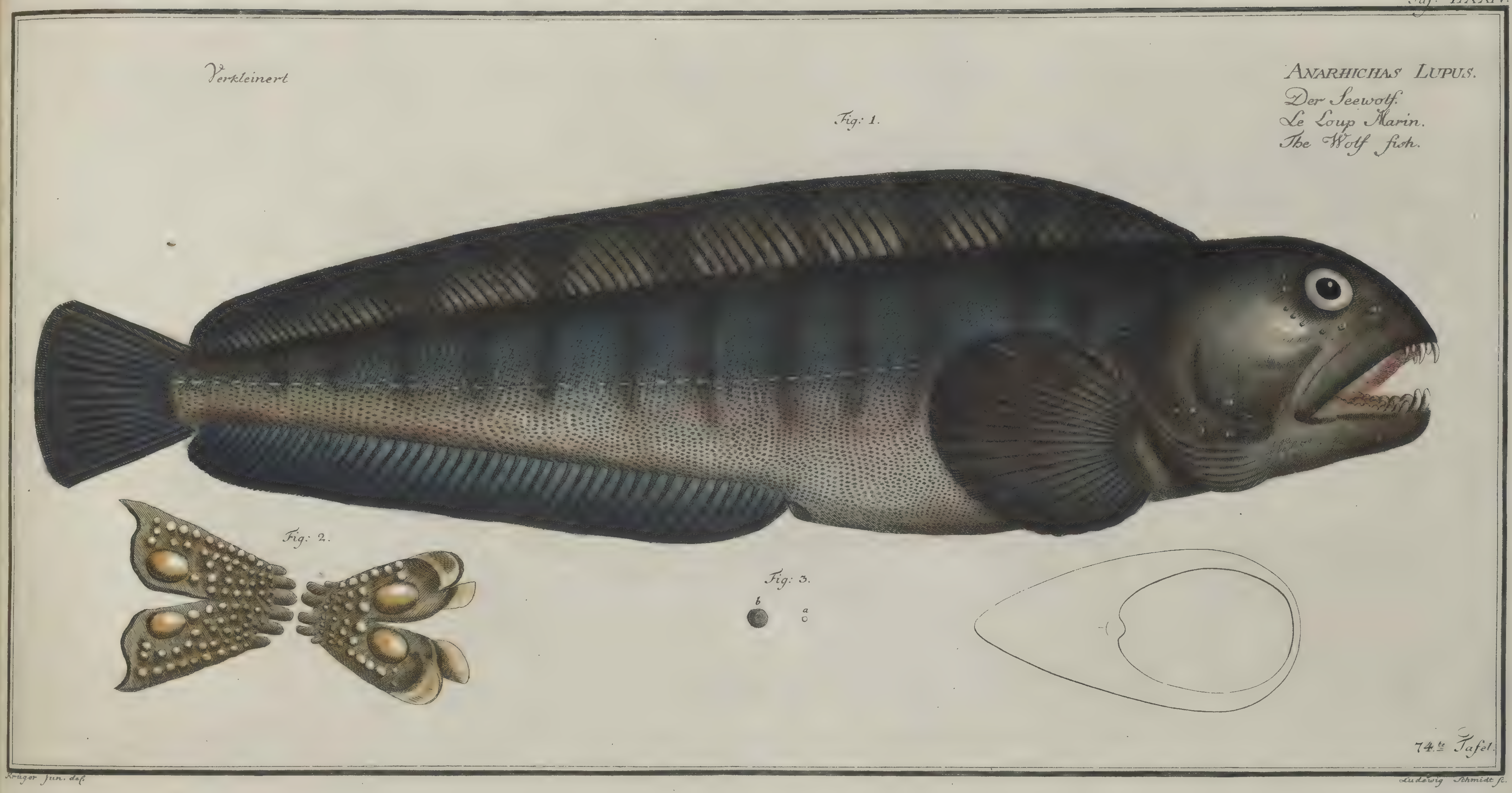
F.G. Berger Sculpsit.

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Krüger jun. del.   Ludwig Schmidt sc.

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Taf: LXXIV.
Verkleinert
ANARHICHAS LUPUS.
Der Seewolf.
Le Loup Marin.
The Wolf fish.
Fig: 1.
Fig: 2.
Fig: 3.
b
a
74.te Tafel.
Krüger jun. del.
Ludewig Schmidt sc.

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2. AMMODYTES TOBIANUS.
Der Sandaal.
Le Lancon.
the Launce.

1. EMBRIO SQUALI.
Ein ungebohrner Haaÿfisch.

1.

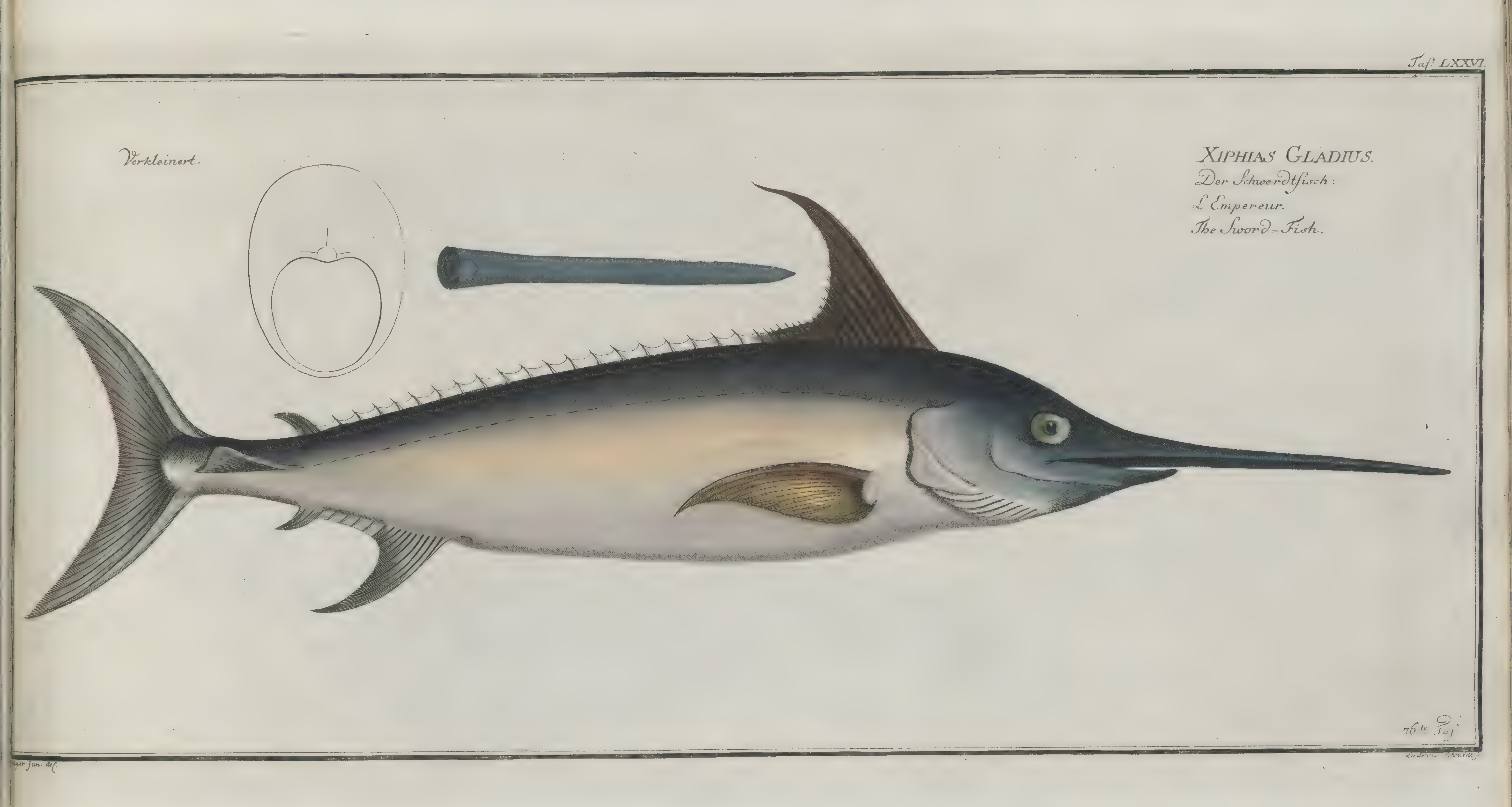
2.

75te Taf.

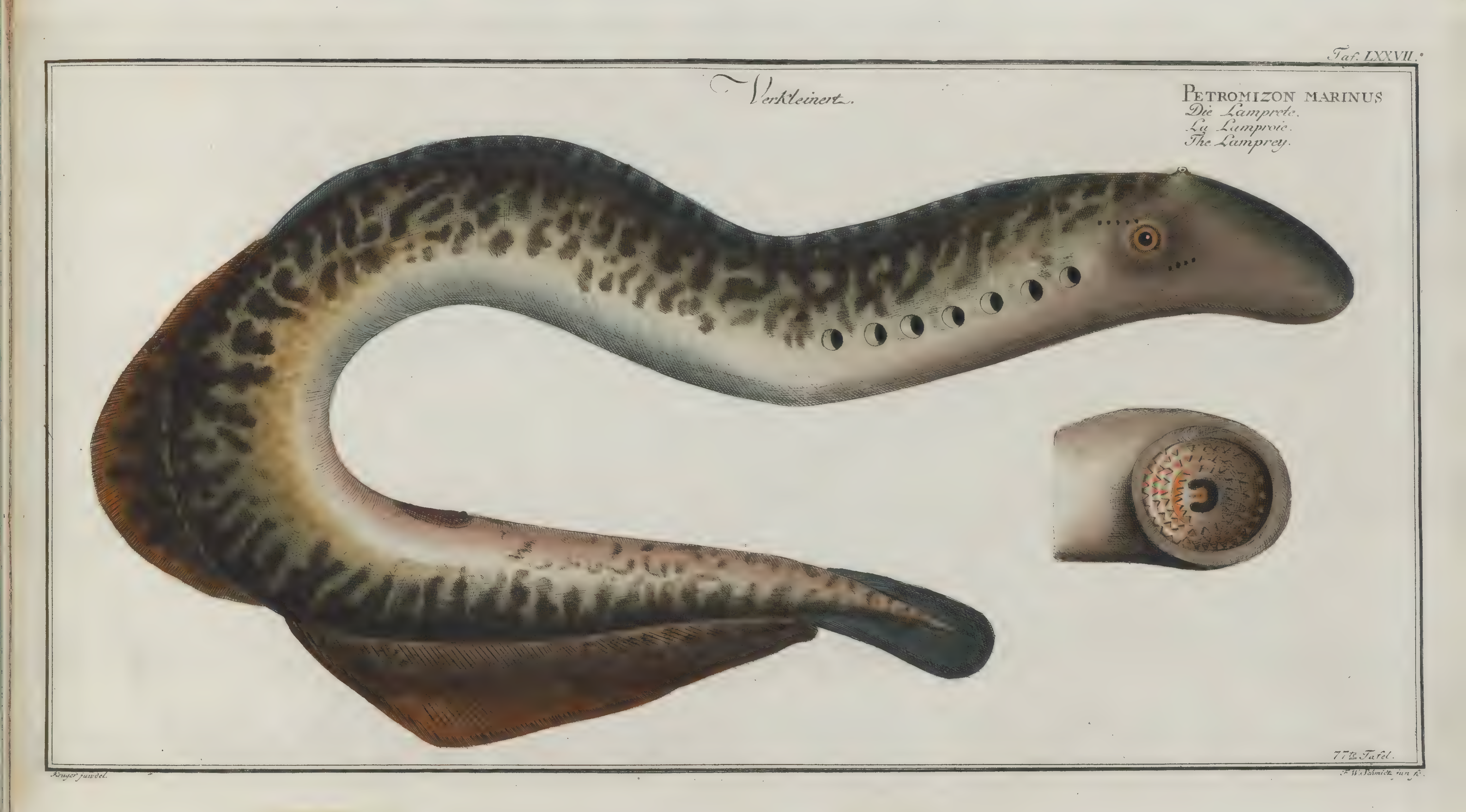
Krüger jun. del.

F.G. Berger Sculpsit.

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PAGE


Taf. LXXVI.
Verkleinert.
XIPHIAS GLADIUS.
Der Schwerdtfisch:
L'Empereur.
The Sword-Fish.
76.te Pag.
jun. del.

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Taf. LXXVII.
Verkleinert.
PETROMIZON MARINUS
Die Lamprete.
La Lamproie.
The Lamprey.
77te Tafel.
Kruger jun. del.
F. W. Schmidt jun. sc.

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PAGE

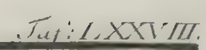


Fig: 3.
PETROMYZON PLANERI.
Das kleine Neunauge.

Fig: 2.
PETROMYZON BRANCHIALIS.
Der Querder.
Le Lamprillon
The Pride.

Fig: 1.
PETROMYZON FLUVIATILIS.
Neunauge.
La Lamproie.
The Lesser Lamprey.

Natürliche Grössen.



Fig: 1.

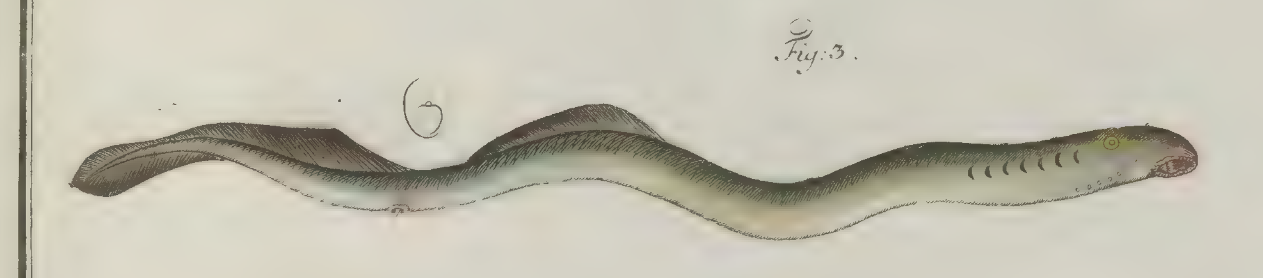


Fig: 3



Fig: 2.

78 te Taf.

Kruger jun. del.

Ludwig Schmidt sc.

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Verkleinert.

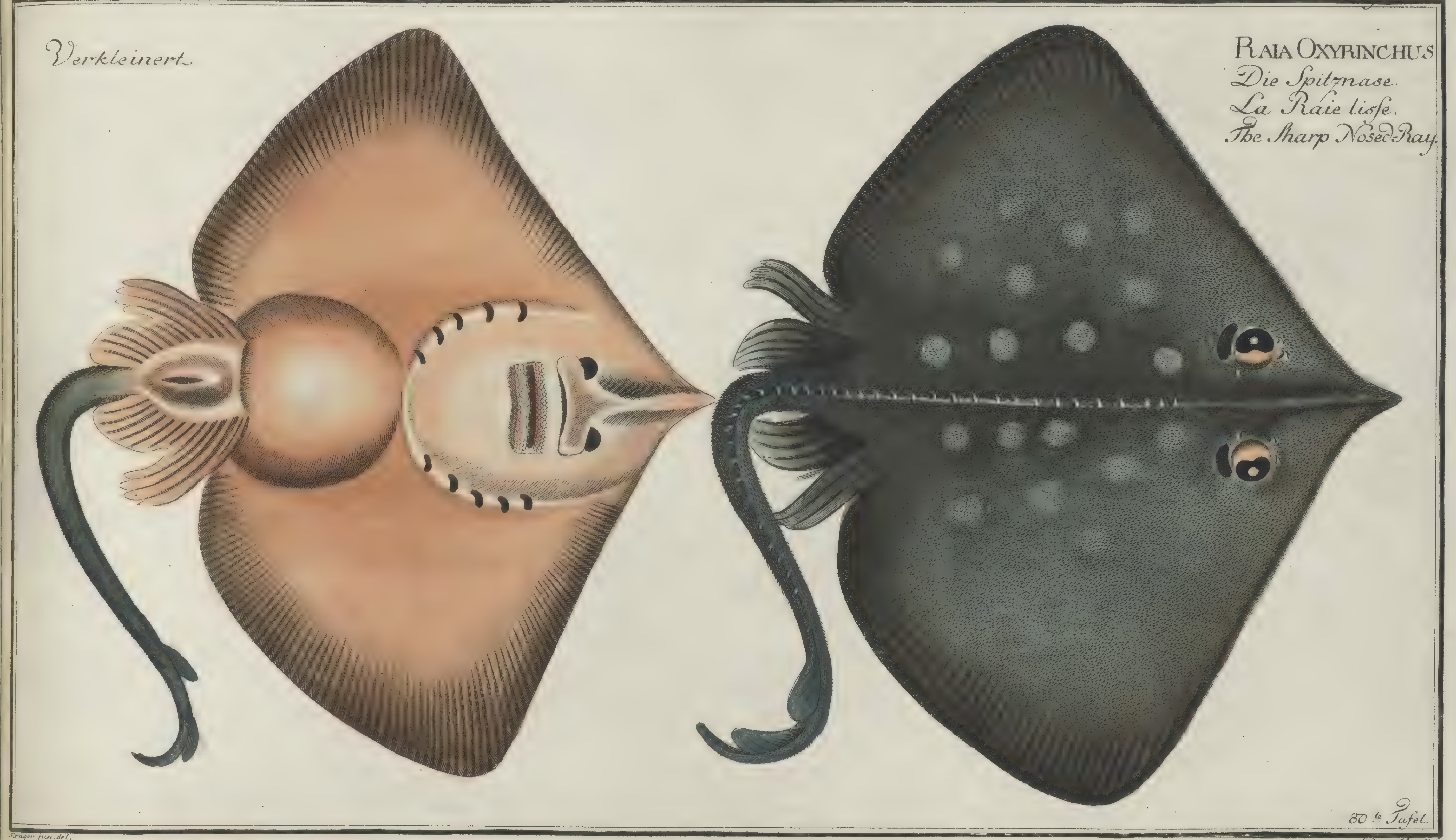
RAJA BATIS.
Der Glatroche.
La Raie cendrée.
The Skate.

79te Tafel.

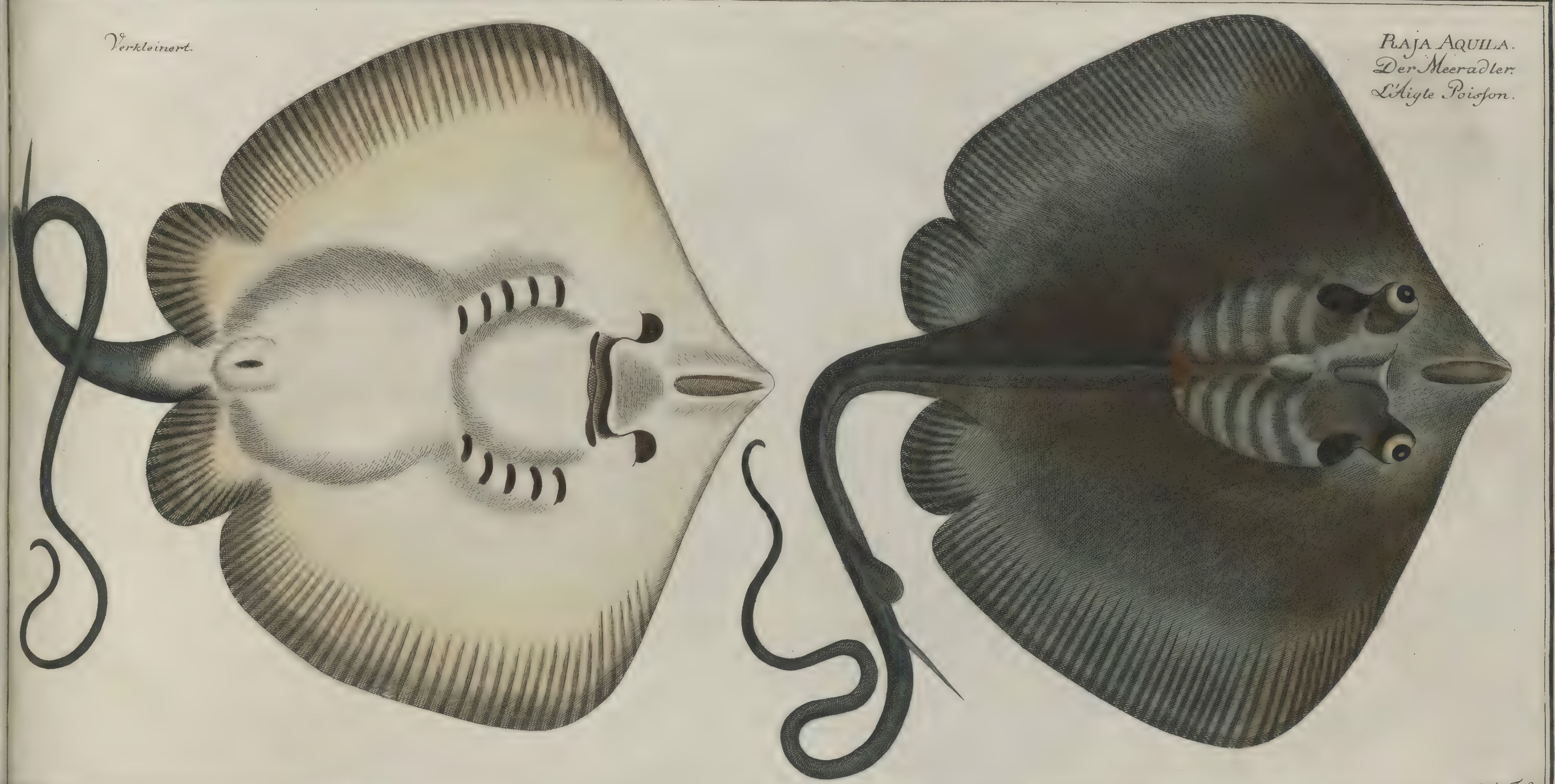
Krüger. jun: del:

F. W. Schmidt. jun: sc:

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PAGE


Verkleinert.
RAIA OXYRINCHUS
Die Spitznase.
La Raie lisse.
The Sharp Nosed Ray.
80te Tafel.
Kruger jun. del.
Ludwig Schmidt sc.

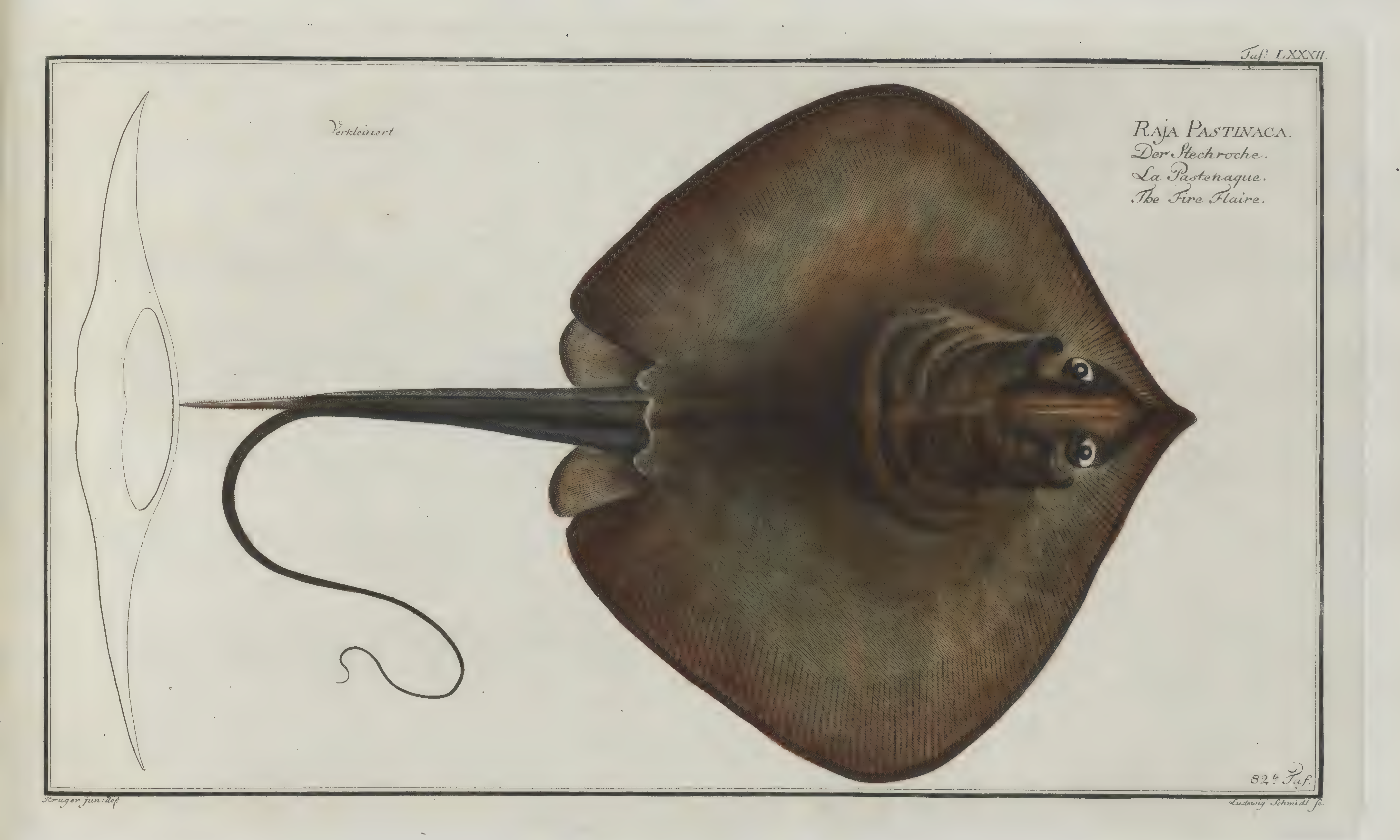
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...er jun. del.

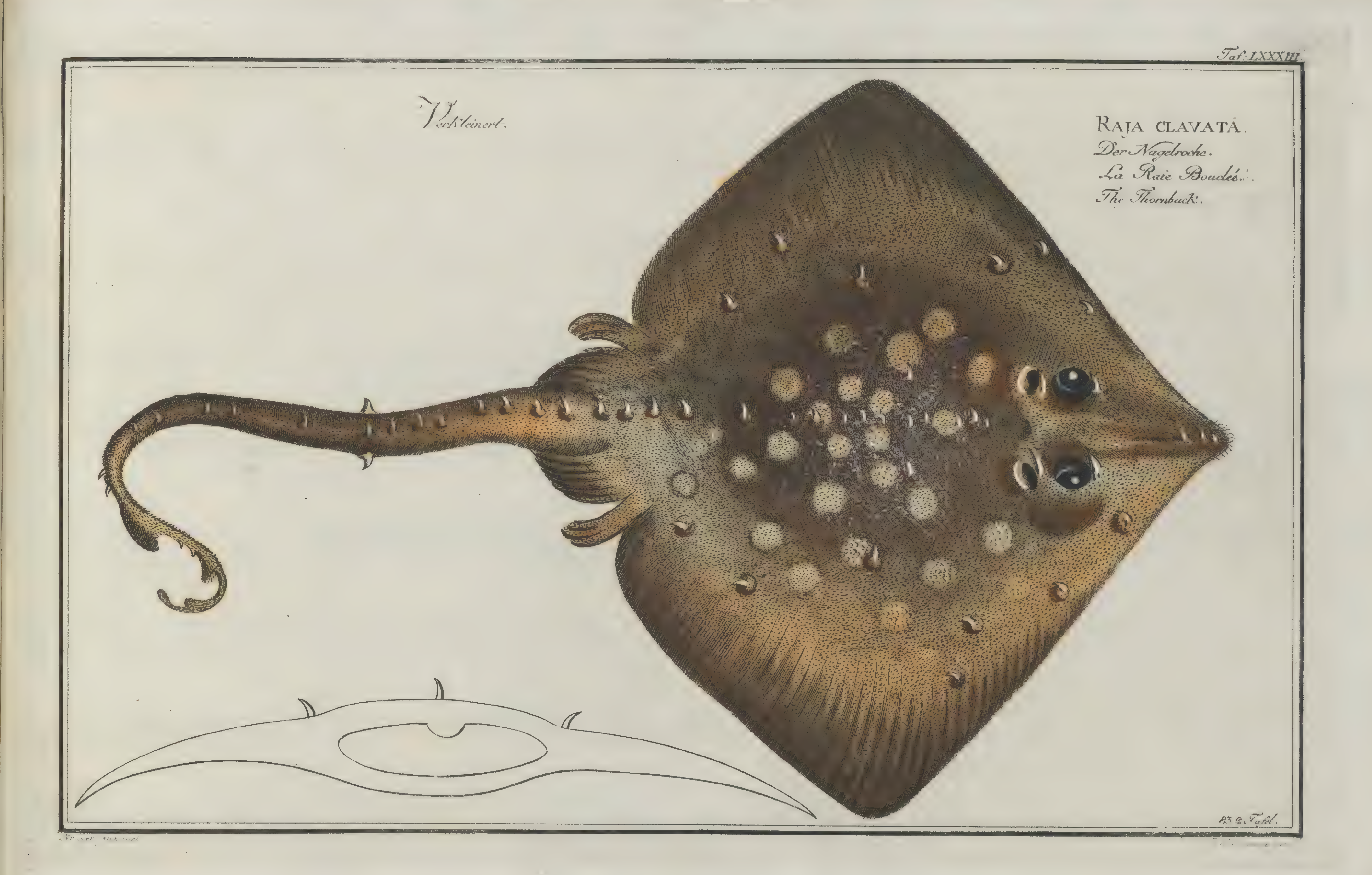
Ludewig Schmidt sc.

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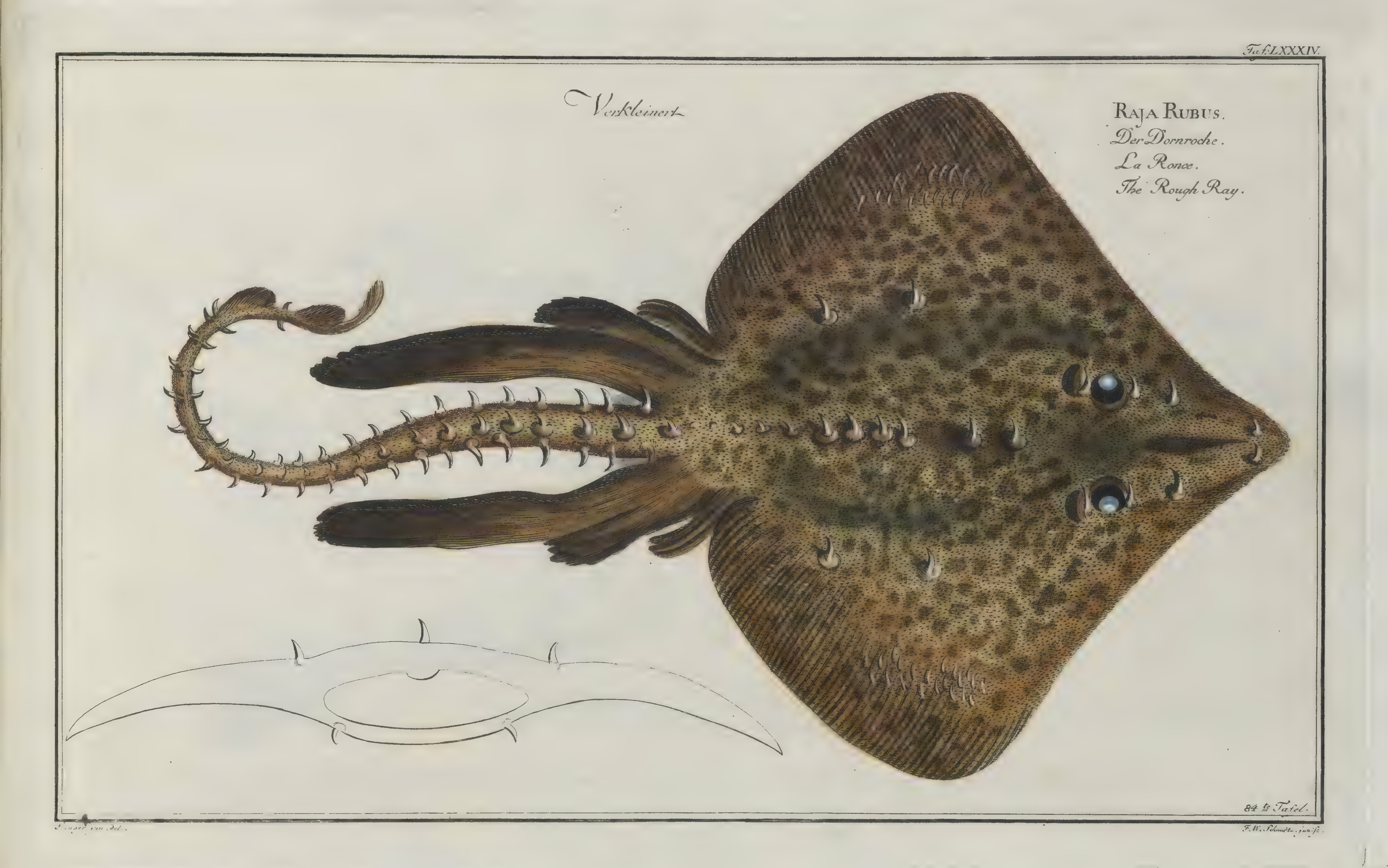

Taf: LXXXII.
Verkleinert
RAJA PASTINACA.
Der Stechroche.
La Pastenague.
The Fire Flaire.
82te Taf.
Kruger jun: del.
Ludewig Schmidt sc.

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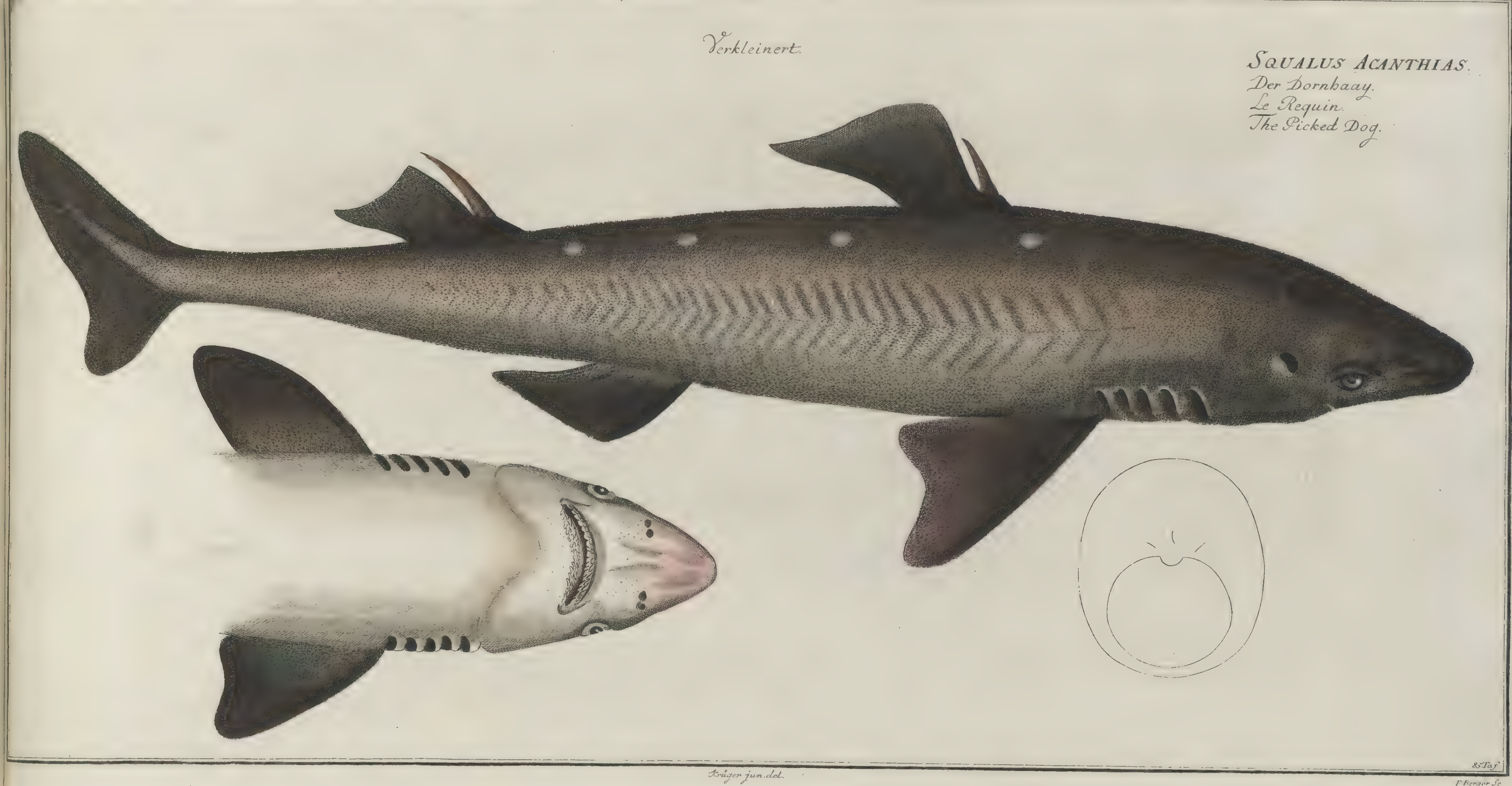
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Taf. LXXXIII.
Verkleinert.
RAJA CLAVATA.
Der Nagelroche.
La Raie Boudée.
The Thornback.
83te Tafel.

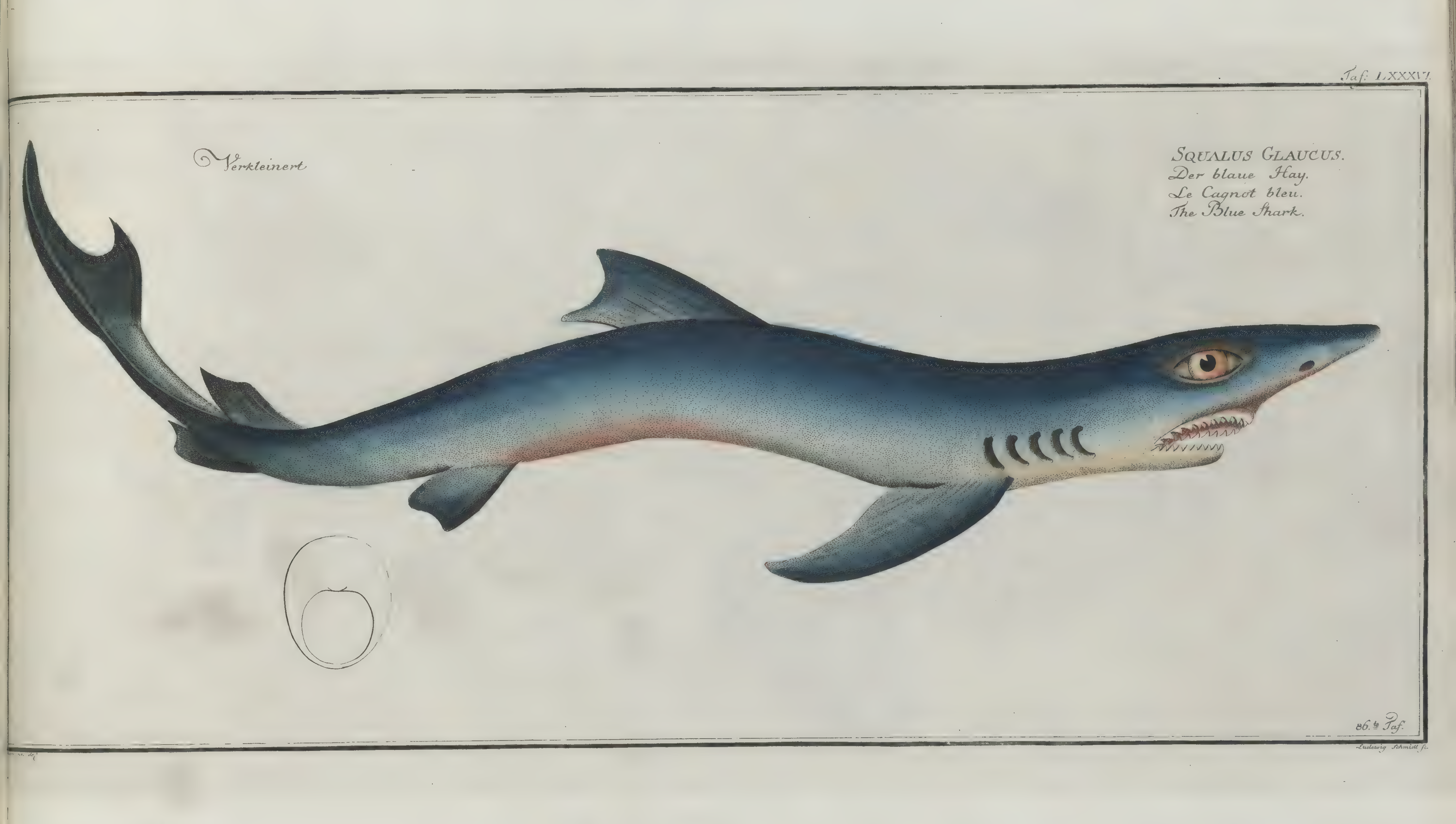
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Taf. LXXXIV.
Verkleinert
RAJA RUBUS.
Der Dornroche.
La Ronce.
The Rough Ray.
84 te Tafel.

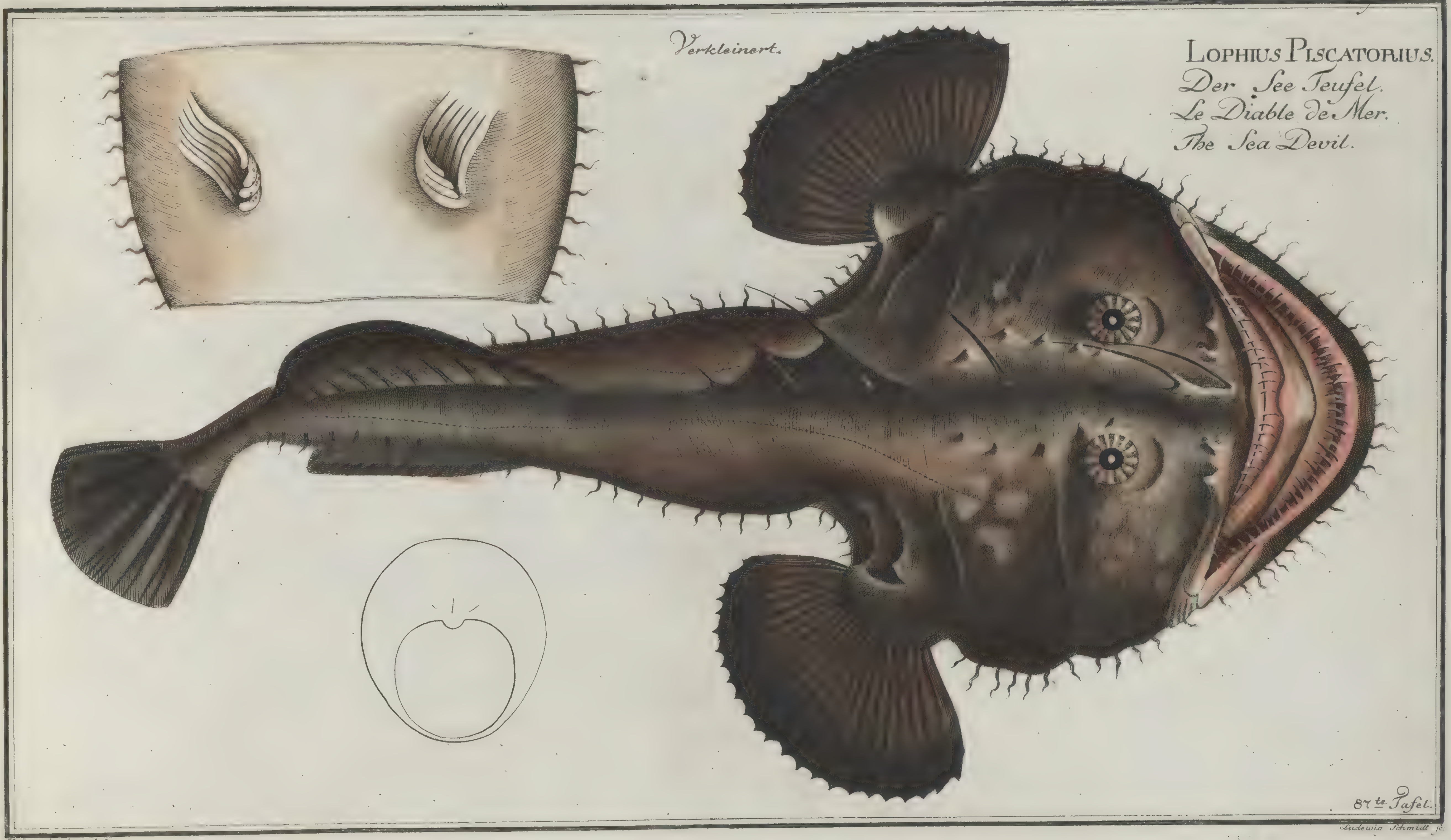
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Verkleinert.
SQUALUS ACANTHIAS.
Der Dornhaay.
Le Requin.
The Picked Dog.
85 Taf.
Krüger jun. del.
F Berger Sc.

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Taf. LXXXVI.
Verkleinert
SQUALUS GLAUCUS.
Der blaue Hay.
Le Cagnot bleu.
The Blue Shark.
86.te Taf.
Ludewig Schmidt sc.

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Verkleinert.
Lophius Piscatorius.
Der See Teufel.
Le Diable de Mer.
The Sea Devil.
87te Tafel.
Krüger junior del.
Ludewig Schmidt sc.

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Taf. LXXXVIII

Verkleinert.

ACIPENSER STURIO.

Der Stoer.

L'Esturgeon.

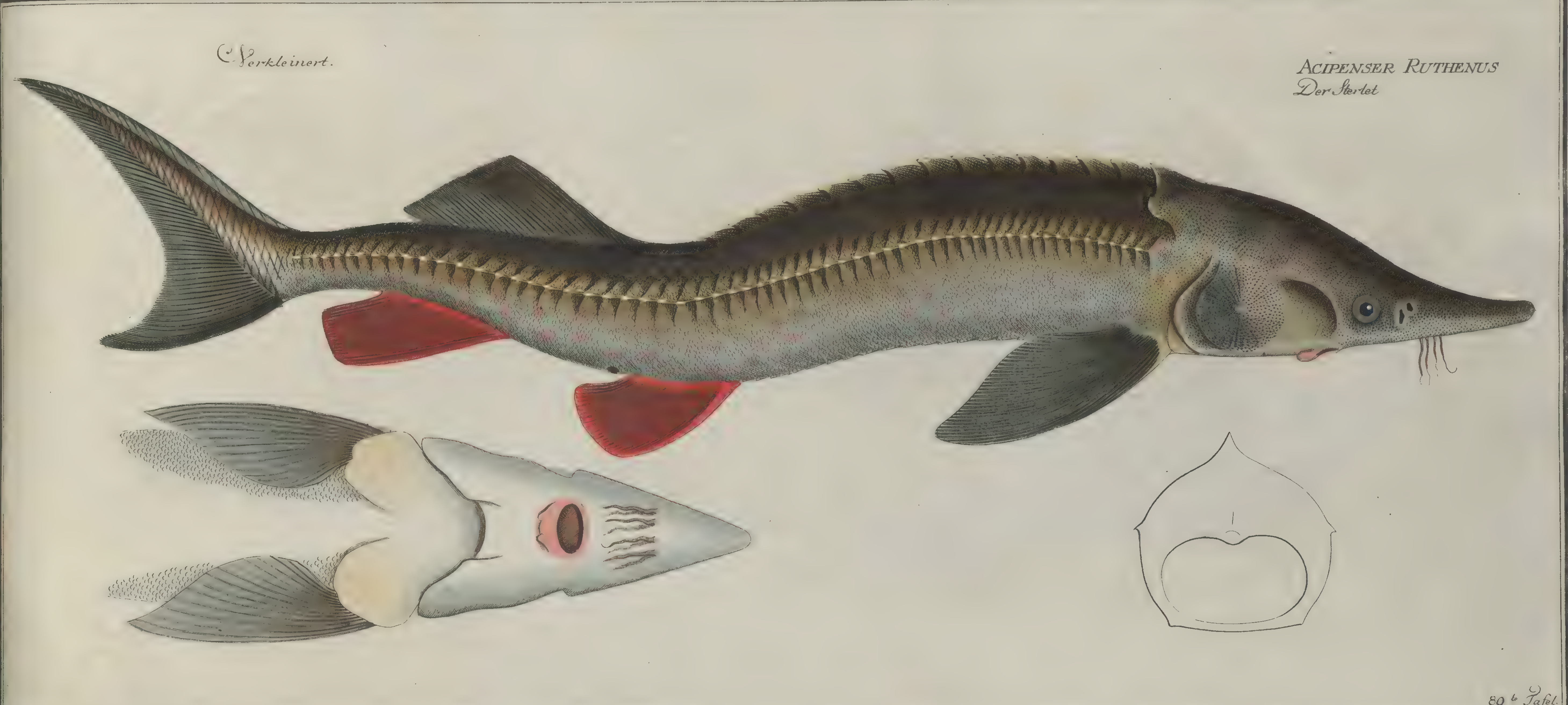
The Sturgeon.

88 b Taf.

Krüger jun. del.

Ludwig Schmidt sc.

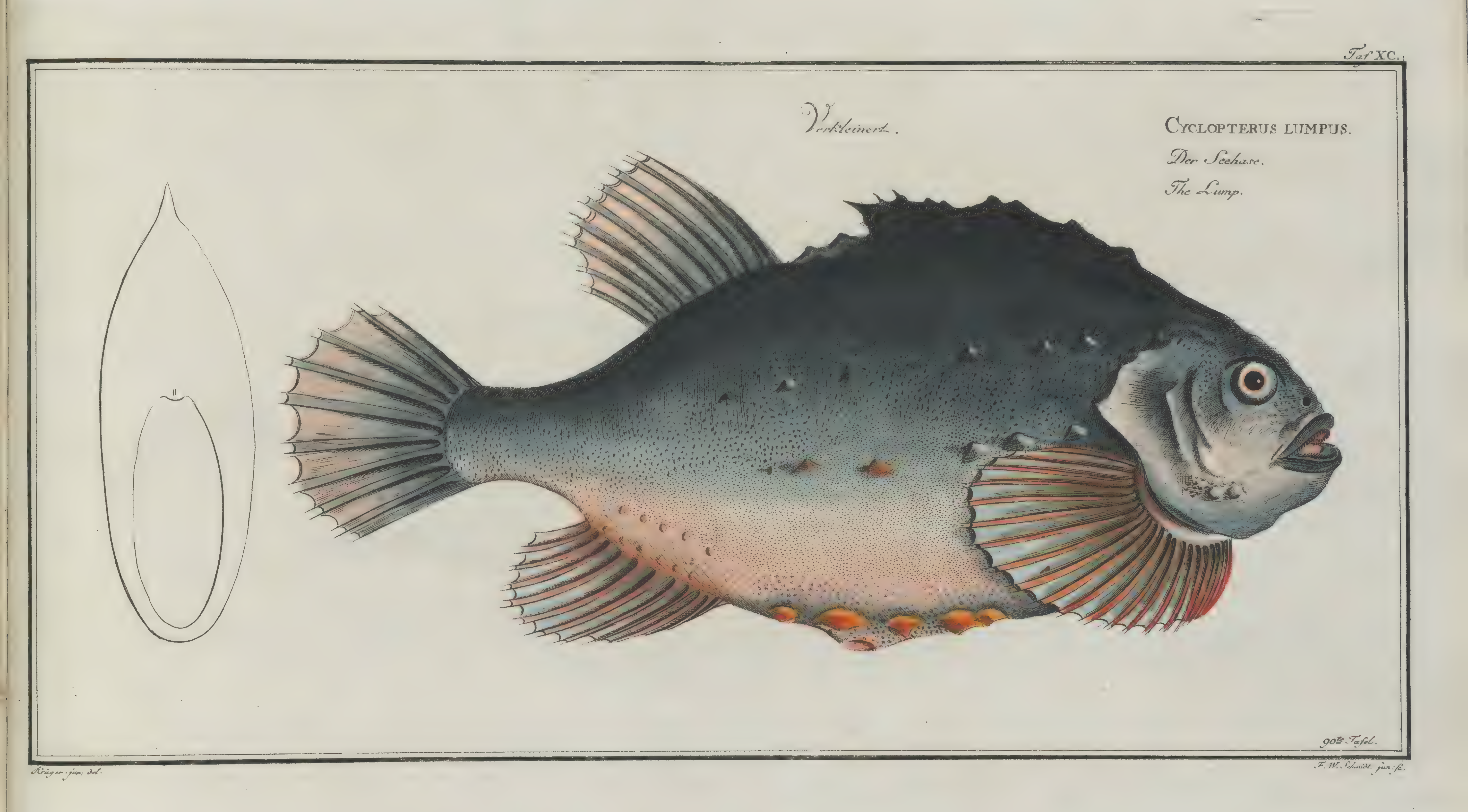
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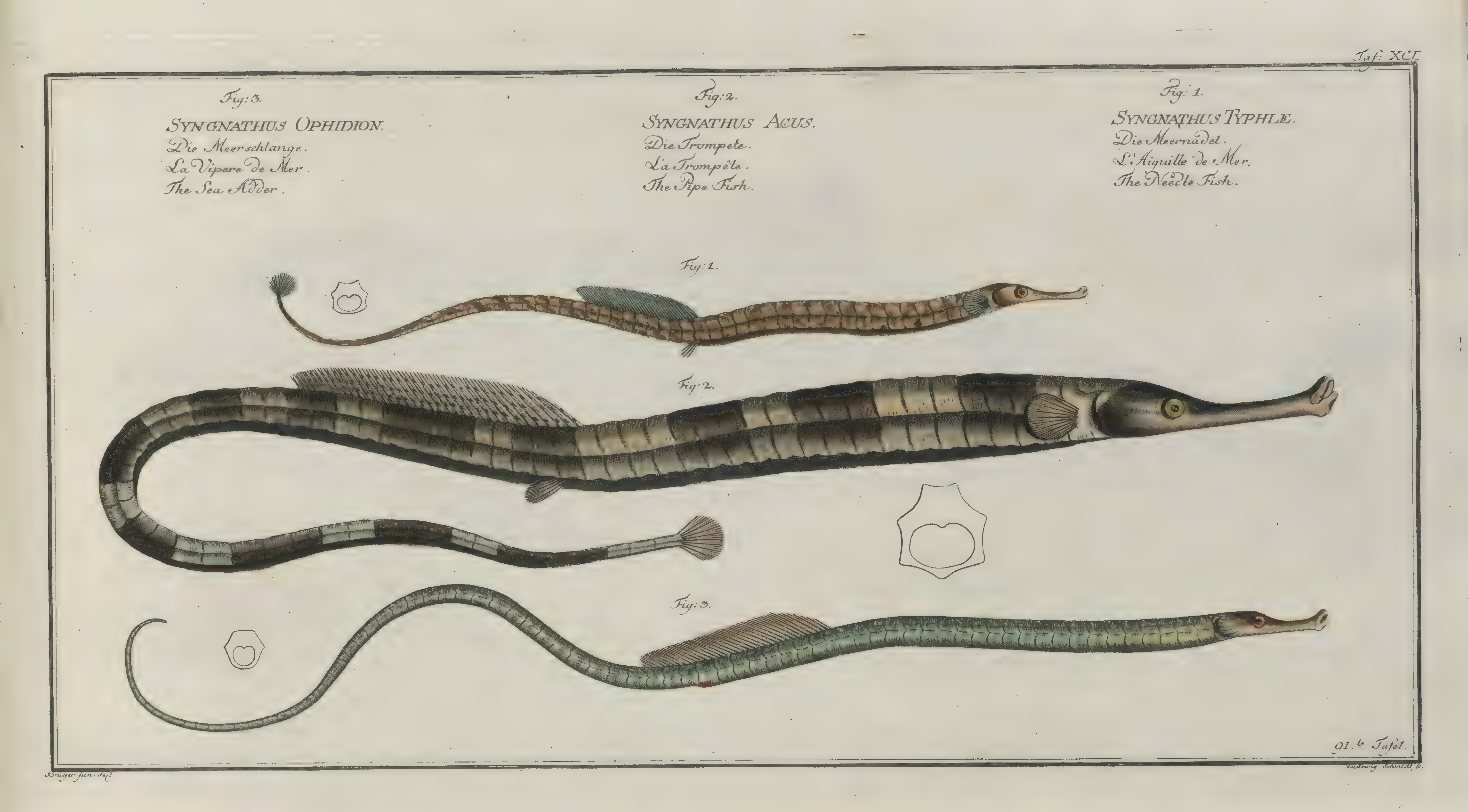
Krüger iun. del.

Ludewig Schmidt sc.

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Taf. XC.
Verkleinert.
CYCLOPTERUS LUMPUS.
Der Seehase.
The Lump.
90te Tafel.
Krüger jun. del.
F. W. Schmidt jun. sc.

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PAGE


Fig: 3.
SYNGNATHUS OPHIDION.
Die Meerschlange.
La Vipere de Mer.
The Sea Adder.
Fig: 2.
SYNGNATHUS ACUS.
Die Trompete.
La Trompête.
The Pipe Fish.
Fig: 1.
SYNGNATHUS TYPHLE.
Die Meernadel.
L'Aiguille de Mer.
The Needle Fish.
Fig: 1.
Fig: 2.
Fig: 3.
91.te Tafel.
Kruger jun. del.
Ludewig Schmidt sc.

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PAGE

Verkleinert

DELPHINUS PHOCOENA

Der Braunfisch
Le Marsouin
The Porpesse

Krüger jun. del.

92te Taf.

C. F. Gursch sc.

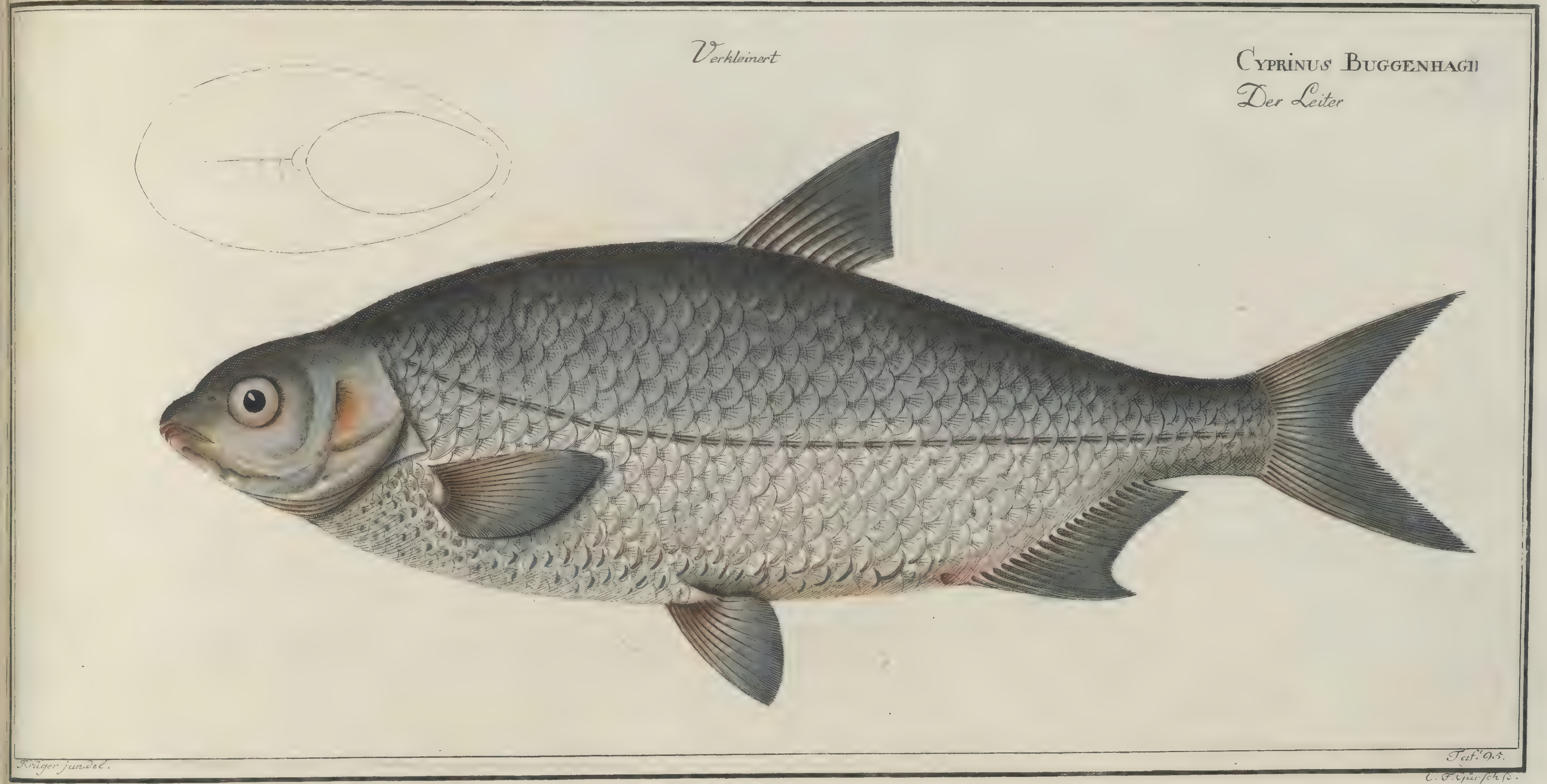
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Natürliche Grösse.
Cyprinus Auratus.
Der Gold-Karpfen.
La Dorade Chinoise.
The Gold-Fish.
93 Tafel.
Krüger Jun del.
G. Bodenehr sc.

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PAGE


Taf. XCIV.
Cyprinus Auratus variet
Der Goldkarpfen.
Le Kin-yu.
The Gold Fish
Fig. 1.
Fig. 2.
Fig. 3.
92te Taf.
Krüger jun. del.
Bodenehr sc.

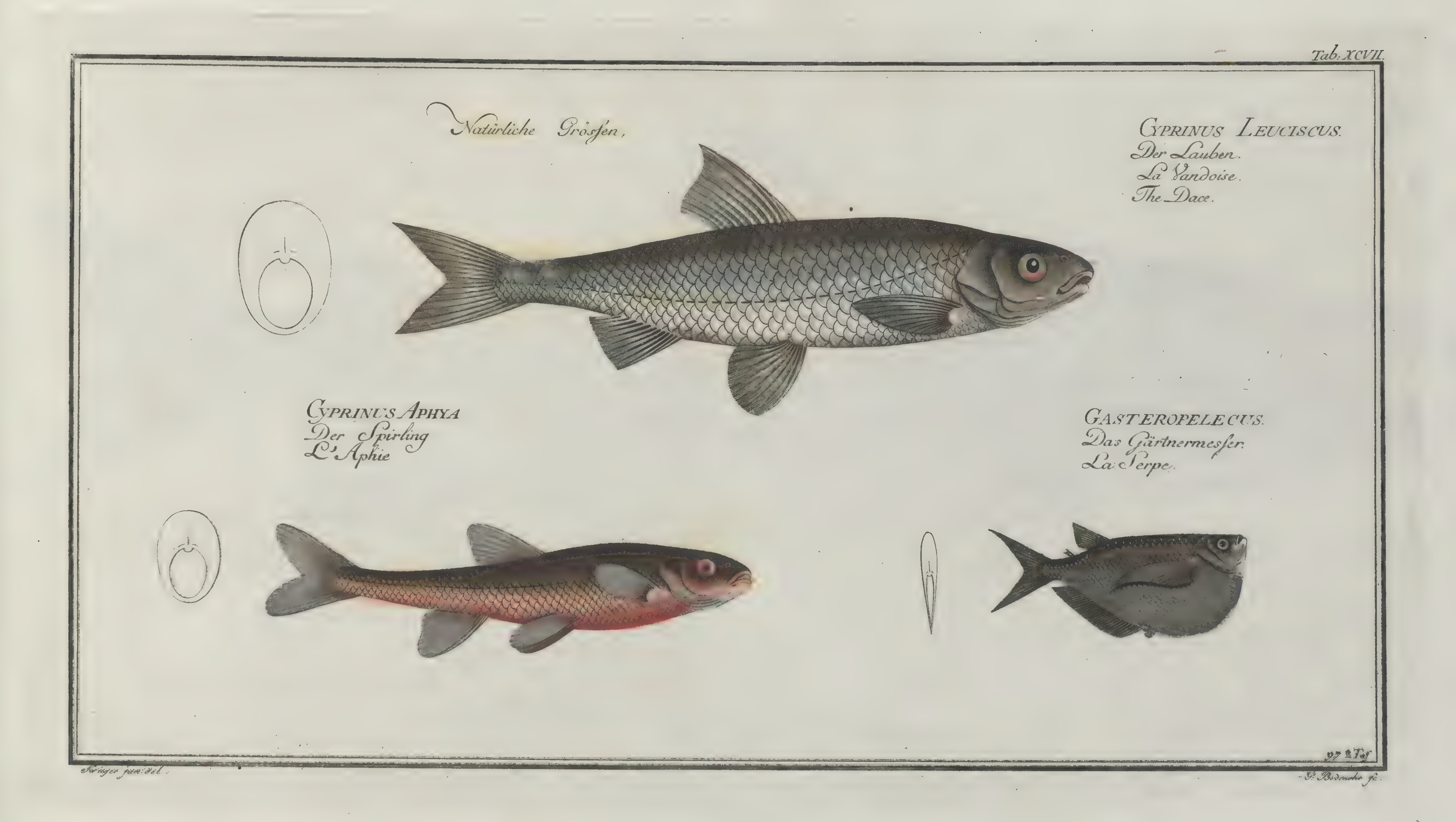
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Verkleinert
Cyprinus Buggenhagii
Der Leiter
Krüger jun. del.
Taf. 95.
C. F. Gürsch sc.

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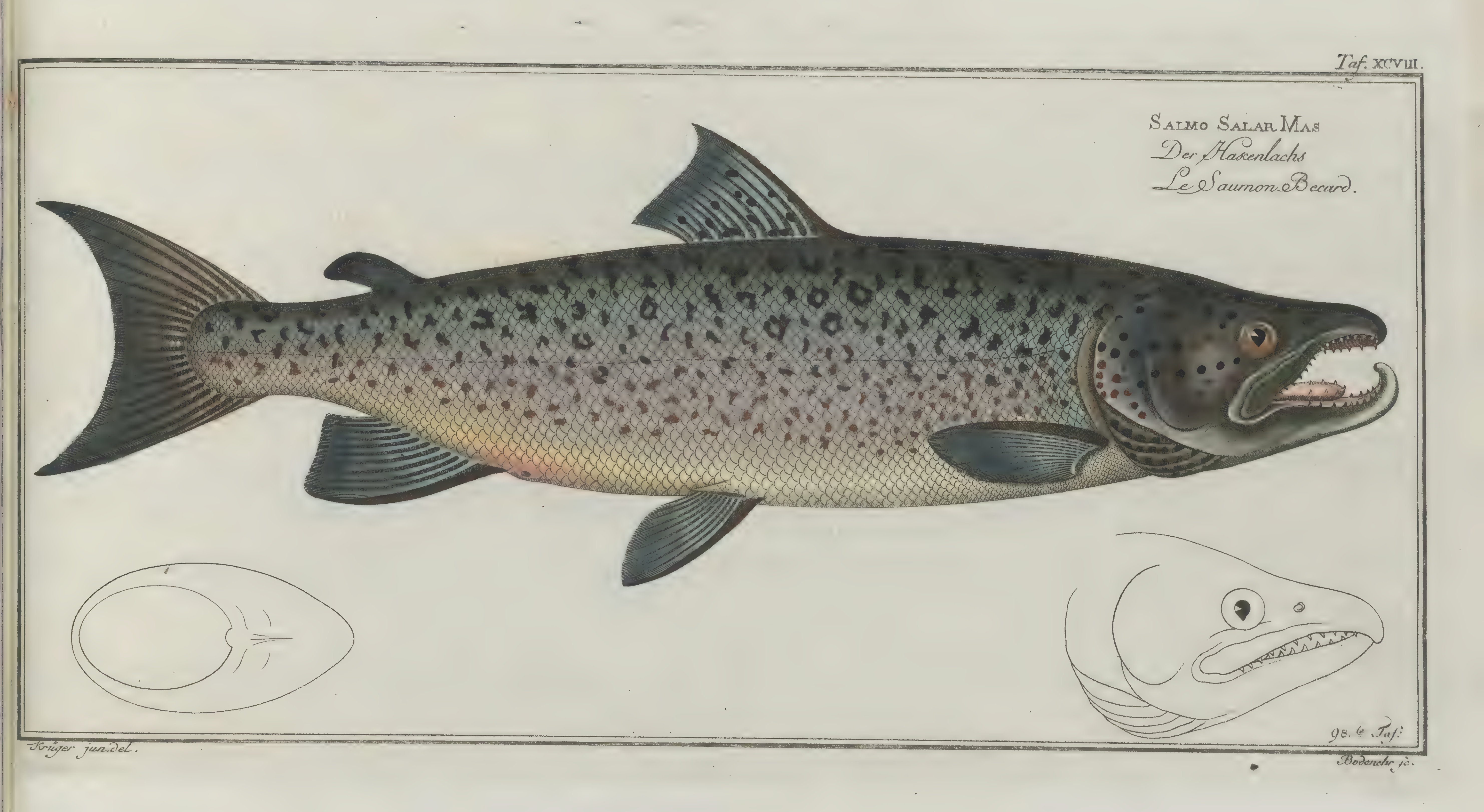

Taf. XCVI
Verkleinert.
CYPRINUS ORFUS.
Die Orfe.
L'Orfe.
The Orf.
96te Taf:

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Krüger jun. del.
G. Bodenehr sc.

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PAGE


Taf. XCVIII.
Salmo Salar Mas
Der Hakenlachs
Le Saumon Becard.
Krüger jun. del.
98.te Taf.
Bodenehr sc.

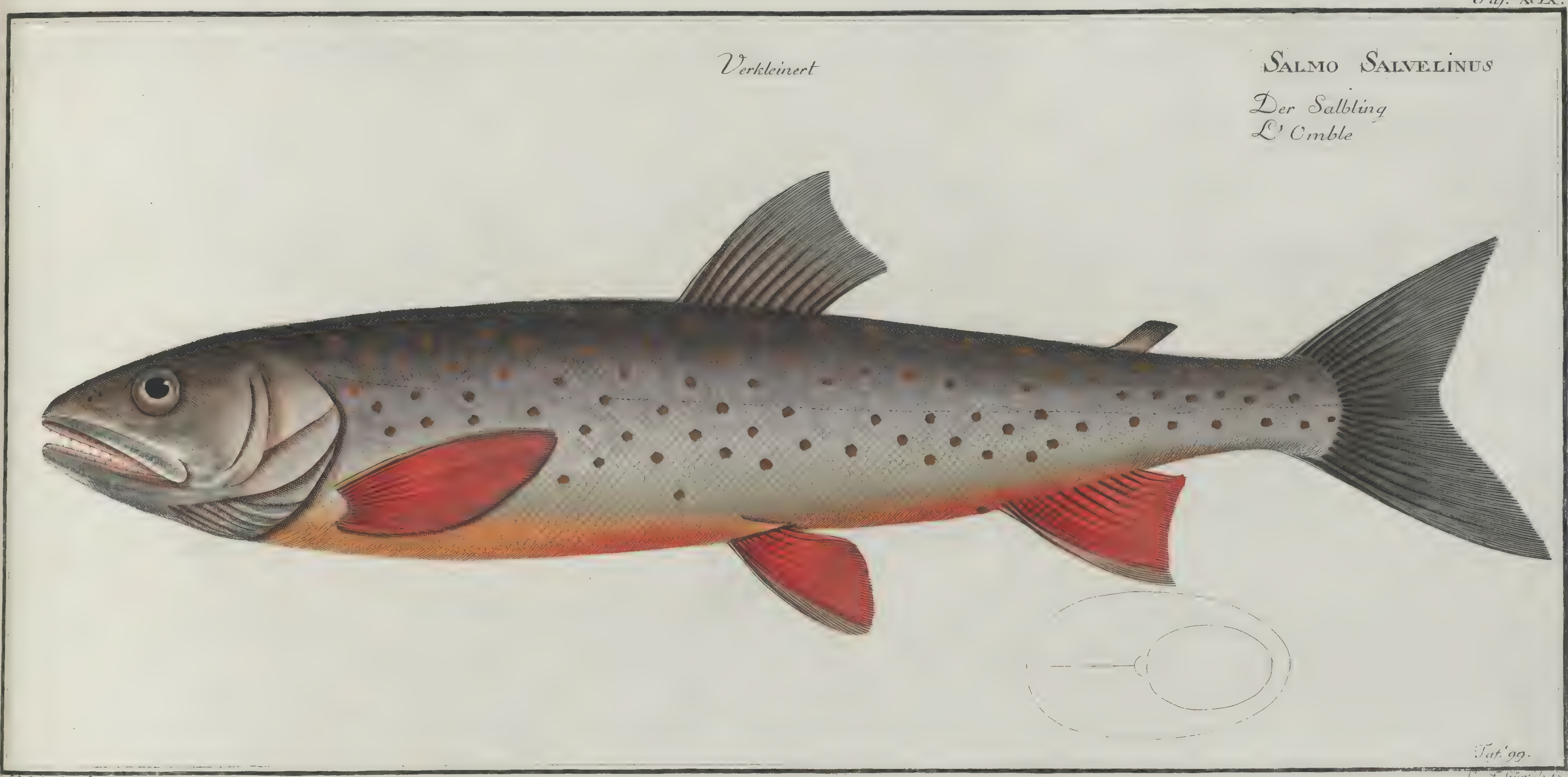
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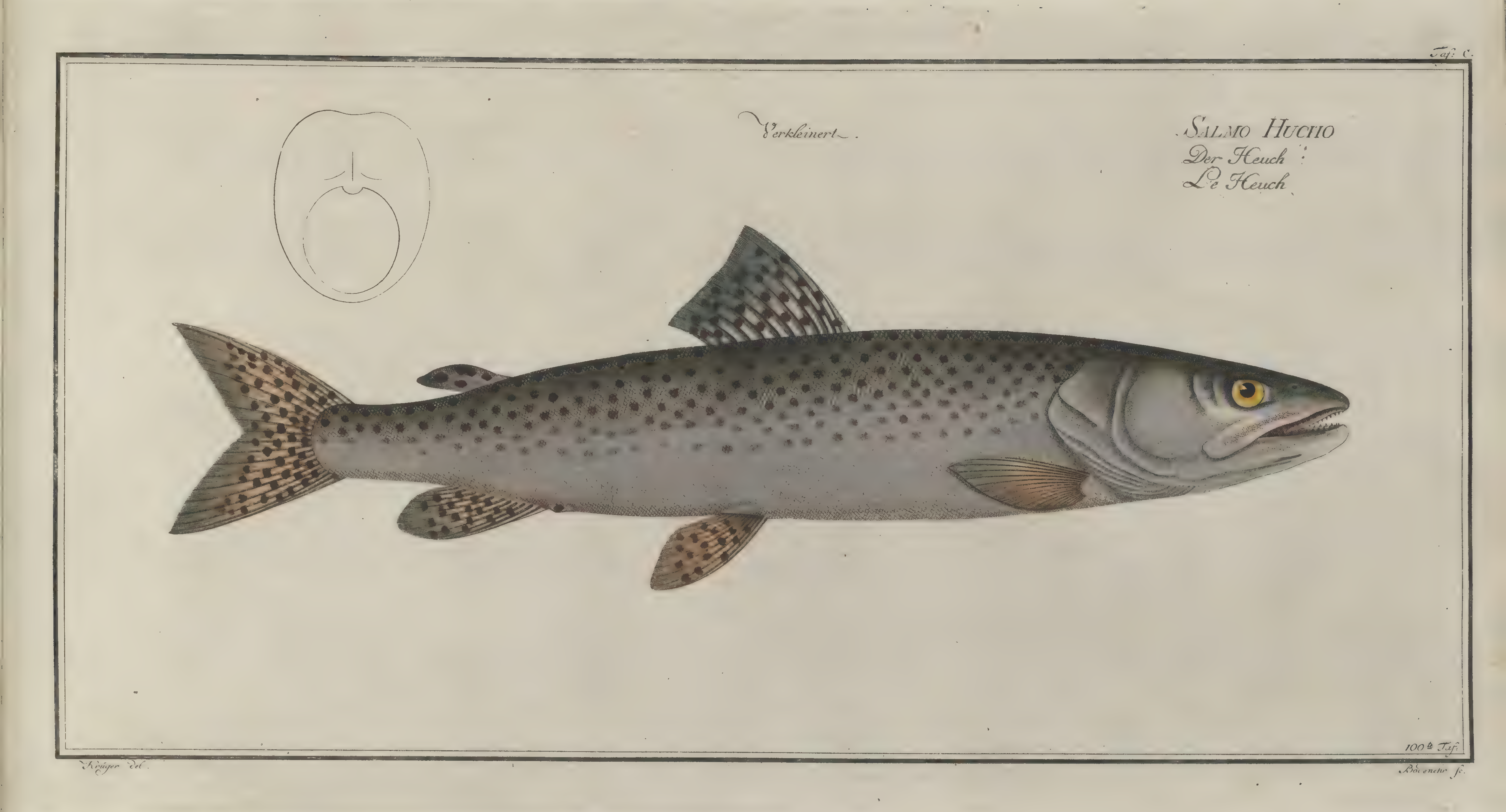
Der Merckwürdige Kupferlacks welcher gefangen den 12 Februar. 1787.
zu Berlin in der Spree am Weÿdendam 3½ Fuſs lang 9. Zoll breit.

F. W. Schmidt jun. sc.

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Verkleinert
Salmo Salvelinus
Der Salbling
L'Omble
Taf. 99.
Krüger jun. del.
C. F. Gürgel fc.

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PAGE



Krüger del.

Bödenehr fc.

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PAGE

SALMO UMBLA.
Der Ritter.
L'Ombre Chevalier.

101.te Taf:

C. G. Geißler del. Genève 1783.

Ludowig Schmidt sc.

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PAGE


Taf: CII.
SALMO GOEDENII.
Die See=Forelle.
La Truite de Mer.
102.te Taf:
Ludewig Schmidt sc.

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PAGE

SALMO SCHIFERMULLERI

Der Silberlachs.

Le Saumon argenté.

103.te Taf.

Kruger jun. del.

Ludewig Schmidt sc.

BLANK
PAGE


SALMO ALPINUS.
Die Alpforelle.
La Truite des Alpes.
104. Taf.
D. Hartmann del.
Ludwig Schmidt sc.

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PAGE


Taf. CV.
SALMO WARTMANNI.
Das Blaufelchen.
L'Ombre bleu.
105.te Taf.
W. Hartmann del.
Ludwig Schmidt sc.

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PAGE

Taf. CVI.



Krüger jun. del. Ludwig Schmidt sc.

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Fig. 1. 2. PERCA ASPER.
Der Streber.
L'Apron.

Natürliche Grössen,

Fig. 3. GOBIUS JOZO.
Die Blaugrundel.
Le Goujons bleu,
The blue Goby.

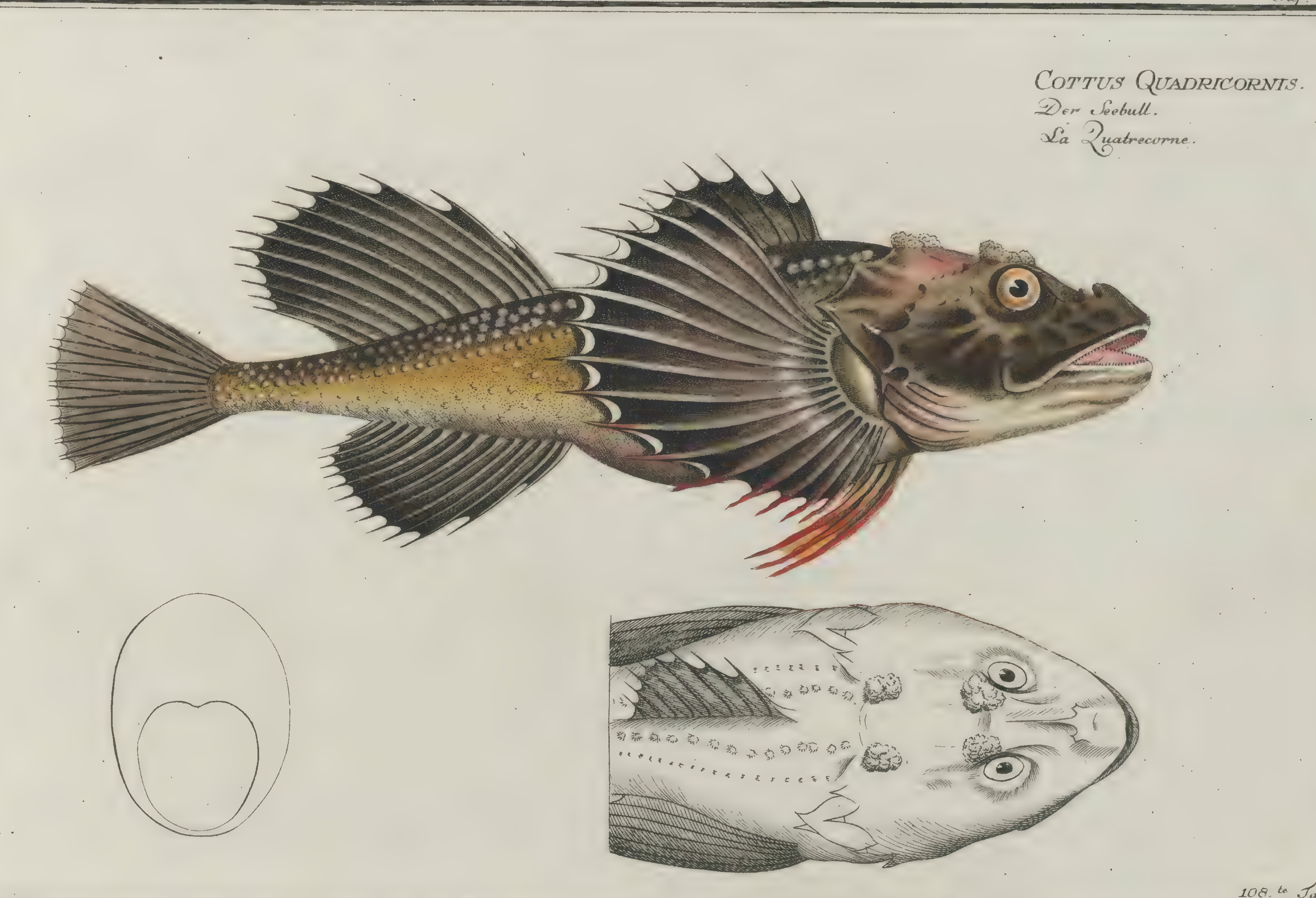


107te Taf.

Krüger jun. del.

G. Bodenehr sc.

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Krüger jun. del. Ludwig Schmidt sc.

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